

# ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

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IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 11/08/2012		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO: a. NAME OF CONSIGNEE Region 6	
3. ORDER NO. 6602		4. REQUISITION/REFERENCE NO. PR-R6-12-00539			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency 1445 Ross Avenue Suite 1200	
				c. CITY Dallas	e. ZIP CODE 75202-2733
7. TO: (b)(4)				d. STATE TX	
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				f. SHIP VIA	
b. COMPANY NAME				8. TYPE OF ORDER	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR:  Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE	

11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB				12. F.O.B. POINT Destination	
13. PLACE OF a. INSPECTION Destination		b. ACCEPTANCE Destination		14. GOVERNMENT B/L NO.	
				15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
16. DISCOUNT TERMS					

## 17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 006928857 Volatile Organic Sampling Train (VOST) Performance Audits during Regulatory Tests  This Time-and-Material Task Order is hereby initiated approving the contractor's Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$33,765.65
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (D143-02) 109 TW Alexander Drive						\$33,765.65
c. CITY Durham		d. STATE NC	e. ZIP CODE 27711				17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature)

23. NAME (Typed)  
Corey Kerzhner  
TITLE: CONTRACTING/ORDERING OFFICER

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO  
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 11/08/2012	CONTRACT NO. EP-W-12-031	ORDER NO. 6602
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>proposal dated October 19, 2012 in the amount of \$33,765.65. Full funding is provided which the contractor is not authorized to exceed.</p> <p>All other terms and conditions remain unchanged and in full force and effect. TOPO: Esther Coleman Admin Office:     SRRPOD     US Environmental Protection Agency     Ariel Rios Building     1200 Pennsylvania Avenue, N. W.     Mail Code: 3805R     Washington DC 20460 Period of Performance: 11/08/2012 to 09/12/2013</p> <p>VOST</p> <p>VOST</p> <p>Accounting Info: 12-13-B-06J-303D99-2505-1206JAR001-001   BFY: 12 EFY: 13 Fund: B Budget Org: 06J Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1206JAR001-001 Funding Flag: Partial Funded: \$33,765.65</p> <p>The obligated amount of award: \$33,765.65. The total for this award is</p>				33,765.65	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$33,765.65



Volatile Organic Sampling Train (VOST) Performance Audits during Regulatory Tests  
Region 6, Dallas, 1445 Ross Ave, Suite 1200. Dallas, TX, 75202

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CONTRACT NUMBER: \_\_\_\_\_  
CONTRACT NAME: REPA 5  
CONTRACTOR NAME: \_\_\_\_\_  
TASK ORDER NUMBER: 6602

September 10, 2012

**I. Task Request Title: Volatile Organic Sampling Train (VOST) Performance Audits during Regulatory Tests**

**II. EPA CONTACTS**

*Contracting Officer's Representative (COR)*

CL – COR

TOCOR

FLORA GREENE  
M/S 6PD-M  
[greeneflora@epa.gov](mailto:greeneflora@epa.gov)  
Work: (214) 665-8428  
Fax: (214) 665-6762

ESTHER COLEMAN  
M/S 6PD-A  
[coleman.esther@epa.gov](mailto:coleman.esther@epa.gov)  
Work: (214) 665-8517  
Fax: (214) 665-6762

**III. Authorization**

This Performance Work Statement (PWS) is in accordance with Task 2, FIELD OVERSIGHT, INSPECTION, SAMPLING and DATA REVIEW of the REPA 4 Contract.

**IV. Period of Performance**

The period of performance for the resulting Task Order (TO) will be from the date of Contracting Officer issuance through September, 20, 2013.

**V. Background**

The Resource Conservation and Recovery Act (RCRA)/Maximum Achievable Control Technology (MACT) permitting regulations require companies burning hazardous waste complete a trial burn/performance test (regulatory tests) and a risk burn. During the regulatory tests, emission levels for selected constituents are measured during various operating conditions. The results of the trial burn/performance test are used to set permit levels for operating conditions. The primary compounds measured are principal organic hazardous constituents (POHCs) to determine destruction and removal efficiency and products of incomplete combustion. Emission rates of POHCs will be used to determine risk from the facility using human health and ecological risk assessments as needed for implementing the RCRA omnibus

## Volatile Organic Sampling Train (VOST) Performance Audits during Regulatory Tests

Region 6, Dallas, 1445 Ross Ave, Suite 1200. Dallas, TX, 75202

authority (Section 3005 of the RCRA and 40 CFR 270.32), and the HWC MACT. Sampling methods for collection of POHCs include using Method 0030 or 0031 Volatile Organic Sampling Train (VOST) as specified in EPA Test Methods SW-846. As part of the quality assurance and quality control (QA/QC) requirements for the VOST testing methods, companies are required to analyze the VOST at the time they collect and analyze stack samples.

The audit sample is requested in writing by the waste combustion permit writer directly to the EPA Task Order Contracting Officer Representative (TOCOR). The permit writer will specify to the EPA TOCOR the selected POHC(s) to be measured during the regulatory test. The EPA TOCOR will select an audit cylinder which will best represent the trial burn.

After a request for an audit cylinder is received, the EPA TOCOR will direct the contractor to send the audit samples to the requesting organization or to the test site. The samples shall be sent via ground transportation or equivalent. The organization being audited takes a gas sample with the audit cylinder using Method 0030 or 0031, and analyzes them (as unknowns) in the same manner as their stack samples. At the completion of the audit, the audit cylinders are returned to the contractor (shipping costs paid by the organization being audited), and the results are sent to the EPA TOCOR and the waste combustion permit writer.

EPA estimates that approximately 12 regulatory tests will occur over the next year.

### **VI. Objective/Purpose**

This Performance Work Statement (PWS) is for contractor assistance in providing support to EPA for the preparation, storage and shipping of VOST audit kits hazardous waste combustion facilities conducting trial and risk burns/performance tests to support RCRA and MACT permitting regulations and human health and ecological risk assessments.

### **VII. Assumptions and Constraints**

Technical support should be based on sound science and should consider any applicable Federal, state and other pertinent standards, guidelines, policies and/or regulations. In particular, it is assumed that the Contractor will have a solid understanding of RCRA trial burns/risk burns and MACT performance tests. Familiarity and knowledge with audit gases, gas concentrations, and impacts to risk assessments is also required.

Reference: Handbook: QA/QC Procedures for Hazardous Waste Incineration, EPA/6-89/023, January 1990, Section 3.5.2

### **VIII. SCOPE**

The following section specifies the tasks to be accomplished by the contractor under the REPA IV PWS, Task 2.1, Field Oversight and Inspections. The contractor shall comply with all performance standards, noting the acceptable quality levels. The Contractor shall comply with the contractual quality assurance provisions of the REPA IV contract and the established Region

6, REPA Quality Surveillance Plan. The contractor shall not perform effort outside this scope. The contractor shall prepare, certify, ship, store and maintain audit samples as described below:

- 2.1 ASSEMBLE AUDIT CYLINDERS AND AUDIT KITS.** The contractor shall provide four (4) compressed gas cylinders (32 cubic feet) and audit kits upon request by the TOCOR. The compressed gas cylinders at 2000 psi shall contain a mixture of 5 or 6 gases designated by the TOCOR from the previously developed Matrix. The cylinders shall contain varied concentrations of each selected gas, but generally with a maximum of 88 parts per billion.

COMPLEXITY LEVEL: Moderately complex

PERFORMANCE STANDARD: The contractor shall execute the assembly and preparation of four new audit cylinders. The compressed gas cylinders, at 2000 psi, shall contain a mixture of 5 or 6 gases designated by the TOCOR from the previously developed Matrix. The cylinders shall contain varied concentrations of each selected gas, but generally with a maximum of 88 parts per billion. The contractor shall also prepare four (4) VOST audit kits to be shipped along with the cylinders.

- 2.2 CERTIFY AUDIT GASES.** The contractor shall take a sample from each cylinder and analyze them using a Gas Chromatograph/Mass Spectrometer (GC/MS) or other appropriate method. The contractor shall prepare a summary report on the certification and results of the cylinder samples and submit it to the TOCOR. If the certification analysis and the vendor results do not meet the criteria, the contractor shall re-analyze the samples. A summary report of the re-analysis shall be prepared by the contractor and submitted to the TOCOR.

COMPLEXITY LEVEL: Moderately complex

PERFORMANCE STANDARD: Samples of the audit gases shall be taken by an experienced air sampler. In addition to the analysis performed by the vendor supplying the cylinders, the cylinder sample shall be analyzed by an independent analytical laboratory contracted by the contractor. Certification of the audit samples will be acceptable if the independent laboratory's and the vendor's values agree within 20% of the cylinder's concentration. The contractor shall prepare a summary report on the certification and results of the cylinder samples and submit it to the TOCOR. The report shall include methodologies used to sample and analyze the gases, and a comparison of the vendor and laboratory results. All concentrations shall be reported in units equal to micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) and parts per billion (ppb). If the certification analysis and the vendor results do not meet the criteria, the contractor shall re-analyze the samples. A summary report of the re-analysis shall be prepared by the contractor and submitted to the TOCOR. The written report shall reflect a good command of the English language, be well organized, and free of grammatical errors, misspellings and incomplete sentences

- 2.3 SHIPPING AND HANDLING.** The contractor shall ship the audit cylinders and VOST audit kits via ground transportation economy 2-day delivery or equivalent.

## Volatile Organic Sampling Train (VOST) Performance Audits during Regulatory Tests

Region 6, Dallas, 1445 Ross Ave, Suite 1200. Dallas, TX, 75202

If time constraints preclude this, overnight delivery may be used on direction from the TOCOR.

**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** Audit cylinders and kits shall be shipped to the location and by the date specified by the TOCOR. The audit cylinders and kits shall be shipped in accordance with Department of Transportation (DOT), International Air Transport Association (IATA) and Occupational Safety and Health Administration (OSHA) regulations for transporting dangerous goods. The contractor shall pay close attention to the latest shipping regulations. The contractor shall ship replacement parts which are broken in transit if notified by the auditee within a reasonable time after receipt of the audit equipment, usually within 1 to 2 days. However, the contractor shall pursue recompense from the shipping agent for any equipment which is damaged or broken by the shipping agent. Shipping addresses will be supplied to the contractor by the TOCOR. The audit equipment shall be shipped to arrive to the specified location within 3-5 days prior to the scheduled date of the test. If time constraints preclude this, overnight delivery may be used on direction from the TOCOR. The cylinders shall be shipped with tape around the seal so that only the on-site State or Federal regulator may break the seal. A letter specifying cylinder return address (contractor's address), and addresses (permit writer's and TOCOR's address) to submit data results, shall be supplied with the shipment of the cylinders. Return shipping of the audit equipment will be the responsibility of the auditee.

- 2.4 STORAGE.** The contractor shall store and maintain the audit cylinders in a dedicated cage within a secure storage area in accordance with OSHA regulations. The contractor Task Order Manager shall have complete control of the audit cylinders and kits.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARDS:** Storage of the audit cylinders and kits shall be in a dedicated cage or secure facility. The area shall be locked at all times and access is provided only to the contractor Task Order Manager or their authorized personnel, and his/her deputy. The cylinders shall be routinely checked for leaks and damages.

- 2.5 TRACKING.** The contractor shall maintain a tracking system of all the audit cylinders and VOST audit kits to include the date shipped, shipping address, date returned, and cylinder number. A summary report of all these tracking items shall be provided to the TOCOR along with the monthly progress reports. Written deliverables shall reflect a good command of the English language, be well organized, and free of grammatical errors, misspellings and incomplete sentences.

**COMPLEXITY LEVEL:** Less Complex

**PERFORMANCE STANDARD:** To keep tracking records, the contractor shall check and record the pressures of each cylinder before they are shipped and after they are returned. The pressure of the cylinders shall also be tracked and recorded. No cylinder

Volatile Organic Sampling Train (VOST) Performance Audits during Regulatory Tests

Region 6, Dallas, 1445 Ross Ave, Suite 1200. Dallas, TX, 75202

shall be shipped when its' pressure falls below 500 psi. *Please note, if the pressure falls below 500 psi, the results are invalid.* This tracking system shall also include compound name and gas concentration for each cylinder. A summary report of all these tracking items shall be provided to the TOCOR along with the monthly progress reports.

- 2.6 MISCELLANEOUS.** The contractor shall provide copies of all correspondence and literature to and from any vendors, laboratories, states, and Regions used in completion of the tasks associated with this Task Order to the TOCOR.

COMPLEXITY LEVEL: Less Complex

PERFORMANCE STANDARD: Written deliverables shall reflect a good command of the English language, be well organized, and free of grammatical errors, misspellings and incomplete sentences.

**IX. Performance Measures and Quality Assurance**

The contractor shall propose performance measures related to quality and timeliness of deliverables. The contractor shall propose the quality assurance systems and methods for periodic measurement, collection and reporting of its performance data.

**X. Technical Direction**

The TOCOR is authorized to provide technical direction, which clarifies the PWS, only. Technical direction must be within the scope of the contract and the TO. Technical direction should not make *changes to the scope or increases/decreases the price of the task order. If the contractor receives such direction, he shall not proceed. The contractor shall immediately contact the CL-COR, Contracting Officer and Contract Specialist."*

**XI. SCHEDULE OF DELIVERABLES**

The contractor shall provide EPA with the appropriate deliverables by the specified deadlines according to Table A, below.

Volatile Organic Sampling Train (VOST) Performance Audits during Regulatory Tests  
Region 6, Dallas, 1445 Ross Ave, Suite 1200. Dallas, TX, 75202

Table A  
**Schedule of Deliverables**

Deliverable	Deadline
2.1 Audit Cylinders	Assemble cylinders within sixty (60) days of TOCOR TDM.
2.2 Audit Gas Certification	Analyze and certify mixtures in audit cylinders within thirty (30) days of approval of Deliverable 2.1. Summarize and report analysis results within fifteen (15) days of completion of analysis and certification of audit cylinders.
2.3 Shipping and Handling	Ship audit cylinders and audit sampling kits within ten 5 days of scheduled trial burn as requested per EPA TOCOR's TDM. If time constraints preclude this, overnight delivery may be used on direction from the TOCOR
2.4 Storage	The contractor shall store the audit kits and audit cylinders in accordance with OSHA regulations, from date of award to 90 days after completion of the REPA IV contract.
2.5 Tracking Report	The 20 <sup>th</sup> of each month.
2.6 Miscellaneous	As necessary.

\*Note: All days are calendar days unless otherwise specified.

EP-W-031 TASK ORDER 6602 MODIFICATIONS SUMMARY

Mod #	Reason For Modification	Status	Award Date	Obligation
BASE		Released	11/8/2012	\$33,765.65
008	Supplemental Agreement for work within scope	Released	1/20/2016	(\$66.10)
007	Supplemental Agreement for work within scope	Released	9/8/2014	\$0.00
006	Supplemental Agreement for work within scope	Released	6/27/2014	\$0.00
005	Other Administrative Action	Released	4/29/2014	\$0.00
004	Other Administrative Action	Released	12/12/2013	\$0.00
003	Change Order	Released	8/1/2013	\$0.00
002	Change Order	Released	5/8/2013	\$10,699.00
001	Other Administrative Action	Released	2/12/2013	\$0.00



**Total Amount**

\$33,765.65

(\$66.10)

\$0.00

\$0.00

\$0.00

\$0.00

\$0.00

\$10,699.00

\$0.00

# ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

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IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 11/29/2012		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO: a. NAME OF CONSIGNEE Region 6	
3. ORDER NO. 6603		4. REQUISITION/REFERENCE NO. See Schedule			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency 1445 Ross Avenue Suite 1200	
				c. CITY Dallas	e. ZIP CODE 75202-2733
7. TO (b)(4)		f. SHIP VIA			
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: _____ Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE	

11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT Destination	
<input type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
a. INSPECTION Destination	b. ACCEPTANCE Destination				

## 17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 006928857 Sampling and Analysis Support at Texas RCRA (GPRA and Non-GPRA Facilities)  This Time-and-Material Task Order is hereby initiated approving the contractor's Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$172,005.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (D143-02) 109 TW Alexander Drive						\$172,005.00
c. CITY Durham		d. STATE NC	e. ZIP CODE 27711				17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature)

23. NAME (Typed)  
Corey Kerzhner  
TITLE: CONTRACTING/ORDERING OFFICER

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO

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IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER	CONTRACT NO.	ORDER NO.
11/29/2012	EP-W-12-031	6603

ITEM NO.	SUPPLIES/SERVICES	QUANTITY ORDERED	UNIT	UNIT PRICE	AMOUNT	QUANTITY ACCEPTED
(a)	(b)	(c)	(d)	(e)	(f)	(g)
0001	<p>proposal dated October 26, 2012 in the amount of \$329,950.00. Funding in the amount of \$172,005.00 is provided which the contractor is not authorized to exceed.</p> <p>All other terms and conditions remain unchanged and in full force and effect. TOPO: Tara Hubner Admin Office:     SRRPOD     US Environmental Protection Agency     Ariel Rios Building     1200 Pennsylvania Avenue, N. W.     Mail Code: 3805R     Washington DC 20460 Period of Performance: 11/29/2012 to 09/12/2013</p> <p>VOST</p> <p>Texas RCRA Sampling Support Requisition No: PR-R6-12-00246, PR-R6-12-00418, PR-R6-12-00565</p> <p>Accounting Info: 12-13-B-06J-303D99-2505-1206JMR001-001   BFY: 12 EFY: 13 Fund: B Budget Org: 06J Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1206JMR001-001 Funding Flag: Partial Funded: \$100,000.00 Accounting Info: 12-13-B-06J-303D99-2505-1206JMR002-001   BFY: 12 EFY: 13 Fund: B Budget Org: 06J Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1206JMR002-001 Funding Flag: Partial Funded: \$62,000.00 Accounting Info: 12-13-B-06J-302DA1-2505-1206JFR004-001   BFY: 12 EFY: 13 Fund: B Budget Org: 06J Program (PRC): 302DA1 Budget (BOC): 2505 DCN - Line ID: 1206JFR004-001 Continued ...</p>				172,005.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$172,005.00

ORDER FOR SUPPLIES OR SERVICES  
SCHEDULE - CONTINUATION

PAGE NO  
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IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER  
11/29/2012

CONTRACT NO.  
EP-W-12-031

ORDER NO.  
6603

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	Funding Flag: Partial Funded: \$10,005.00  The obligated amount of award: \$172,005.00. The total for this award is					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

**Performance Work Statement  
Sampling and Analysis Support at Texas RCRA Facilities**

**Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202**

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CONTRACT NUMBER: \_\_\_\_\_  
CONTRACT NAME: REPA 5  
CONTRACTOR NAME: \_\_\_\_\_  
**REGION 6 TASK ORDER NUMBER: \_\_\_\_\_**

October 15, 2012

**I.     Title     **Sampling and Analysis Support at Texas RCRA (GPRA and Non-GPRA) Facilities****

**II.    Contract Officer Representatives**

**EPA Regional Project Officer**

FLORA GREENE  
M/S 6PD-M  
greene.flora@epa.gov  
Work: (214) 665-8428

**EPA Task Order Contract Officer Representative (TOCOR)**

TARA HUBNER  
M/S 6PD-F  
hubner.tara@epa.gov  
Work: (214) 665-7246

**III.   Authorization**

This Performance Work Statement (PWS) is in accordance with Task 2.2 Field Sampling, of the REPA 5, Zone II Contract SOW.

**IV.    Period of Performance**

The period of performance for this Task Order (TO) is from the date of Contracting Officer (CO) issuance through September 12, 2013.

**V.     Place of Performance**

This task order will involve sampling and analysis support which will include site visits at 3 to 5 RCRA facilities in the State of Texas. Technical Directive Memorandums (TDMs) will be issued for each facility upon selection. Sections VIII and IX and Exhibit A provide assumptions for cost estimating purposes.

**VI.    Background**

Historically, the EPA has used contractors under the REPA contract for sampling support at RCRA facilities in Region 6. The support activities have included sampling, sample analysis, groundwater monitoring well

**Performance Work Statement  
Sampling and Analysis Support at Texas RCRA Facilities**

**Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202**

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installation, soil boring installation, and waste disposal. This PWS will require the contractor to perform all of the above mentioned activities.

**VII. Objective/Purpose**

The purpose of this PWS is to provide sampling and analysis support at GPRA and non-GPRA RCRA facilities in the State of Texas.

**VIII. Assumptions and Constraints**

- Support will be needed at 3 to 5 RCRA facilities located in the State of Texas;
- The EPA will obtain access agreements to the facilities;
- There will be 1 scoping meeting for each facility project;
- QAPPs and Trip Reports will require 1 revision;
- Assume that the EPA Houston Lab will analyze half of the samples and a contract lab will analyze the other half of the samples;
- Assume a Level 3 type data package will be required;
- Samples shipped to EPA Houston Lab will need to be labeled, tagged, and sealed according to EPA Houston Lab protocol. The EPA Houston Lab may require the use of FORMS II Lite or Scribe for sample documentation. FORMS II Lite software can be downloaded at: <http://www.epa.gov/superfund/programs/clp/f2ldownload.htm>. Scribe software can be downloaded at: <http://www.ertsupport.org/downloads.htm>;
- For samples shipped to EPA Houston Lab, the contractor will ship samples daily to the lab and will use FedEx Priority Overnight: next-business-day morning (by 10:30 am delivery) for shipping;
- The contractor will be responsible for determining the necessity of and performing utility clearances prior to excavation/drilling activities after issuance of TDM. For costing of this TO, assume 5 days of geophysical surveying to identify underground utilities within the drilling areas (i.e. 1 day of geophysical surveying at each of the 5 facilities);
- The EPA TOCOR will determine the sampling and groundwater monitoring well/soil boring installation locations. If overhead or underground utilities or any other obstructions are discovered which prevent a proposed sampling or installation location, the EPA TOCOR may determine an alternate location;
- The contractor will be responsible for providing containers to store investigation derived waste (IDW), moving IDW to chosen staging areas, proper labeling of IDW containers, characterization of IDW, and off-site disposal of IDW;
- Assume IDW is non-hazardous;
- Assume that groundwater sample analytical results will be used to characterize purge/development water waste;
- For costing purposes, assume a total of 30 55-gallon drums of waste;
- Assume 3 days in the field and 2 days of travel for each of the 3 to 5 facilities;
- Analytical results will not be verified and validated by an external 3<sup>rd</sup> party data validator;
- For travel/mobilization cost estimating purposes, assume that 2 of the facilities will be located in the Corpus Christi area and the other 3 facilities will be located in the Dallas/Ft. Worth, Houston, and El Paso areas;
- Soil samples shall be dry-weight reported;
- See Section IX and Exhibit A for more assumptions.

**Performance Work Statement  
Sampling and Analysis Support at Texas RCRA Facilities**

**Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202**

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**IX. Scope**

**Task 01: Project Management**

The contractor shall prepare and solicit bids from sub-contractors and vendors, identify and make arrangements for project staff as required, and perform other general project management duties under this task. This task is *not* intended to include tasks that would be associated with the general cost of doing business.

Upon issuance of each TDM for the 3 to 5 facility projects, a cost estimate shall be prepared for that individual TDM. The cost estimate shall be submitted within 14 days of the facility project scoping meeting.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor must identify and utilize personnel, subcontractors, and vendors with the requisite training, ability, and knowledge to perform the other tasks within this task order.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 1 will be the performance of staff, subcontractors and vendors to complete the other tasks within this task order.

**Task 02: Preparation of Combined Quality Assurance Project Plan (QAPP) and Field Sampling and Analysis Plan and Health and Safety Plan**

The contractor shall prepare a site-specific combined Quality Assurance Project Plan (QAPP) and Field Sampling and Analysis Plan following the Uniform Federal Policy (UFP) for implementing Environmental Quality Systems for each facility project under this PWS (3 – 5 facilities). The UFP-QAPP will address all tasks required for the project. The contractor shall prepare the UFP-QAPP to present the overall project description, project organization, responsibilities, and objectives associated with the sampling and analysis to be conducted. The UFP-QAPP shall comply with all quality assurance requirements, and 1 scoping meeting shall be held as part of plan preparation for each project. The contractor shall be prepared to make 1 revision to the UFP-QAPP as necessary. The UFP-QAPP shall include a clear description of data verification and validation plans and procedures.

The contractor shall also prepare a Health and Safety Plan (HSP) for each facility project (3 – 5 facilities) regarding the work to be performed, taking into account the type of samples to be collected and the nature of the working conditions. The HSP shall address all applicable regulatory requirements; discuss personnel responsibilities, protective equipment, health and safety procedures and protocols, decontamination procedures, personnel training, and type and extent of medical surveillance. The HSP shall identify potential problems or hazards (known and unknown) that may be encountered and how these are to be addressed.

The draft UFP-QAPP shall be submitted to the TOCOR electronically at least 21 calendar days prior to beginning field activities. The TOCOR will review the draft QAPP and either approve the QAPP as is or provide comments on the draft QAPP. The final QAPP with signatures and the HSP shall be submitted to the TOCOR in electronic and hard copy format at least 7 calendar days prior to beginning field activities.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor shall develop each UFP-QAPP to meet the goals and objectives of the project performed under this Task Order. The plan must be developed using data quality objectives, the systematic planning process, and related processes presented in Agency quality assurance guidance and policy. The UFP-QAPP must undergo reviews and approval by EPA. The plan must contain all



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**Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202**

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information detailed in the UFP-QAPP manual under the four basic element groups: Project Management Objectives, Measurement/Data Acquisition, Assessment/Oversight, and Data Review. The graded approach may be used to address elements as specified in the UFP-QAPP manual. (The graded approach is the process of establishing the project requirements and level of effort according to the intended use of the results and the degree of confidence needed in the quality of results). The worksheets specified in the UFP-QAPP manual, Table 2, must be provided with the required information. The UFP-QAPP must be complete, technically accurate, and meet the requirements of the UFP-QAPP manual.

**ACCEPTABLE LEVEL OF QUALITY:** The measures of quality for Task 2 are EPA quality assurance policy, procedures, and specifications for quality assurance project plans. The acceptable level of quality for the UFP-QAPP is consistency with EPA quality assurance policy, procedures, and specifications.

**Task 03: Sampling**

**Surface Soil Sampling**

- Assume the collection of a maximum of 30 surface soil samples;
- The depth and GPS location (with sub-meter accuracy) of each soil sample should be recorded;
- Soil sample may be grab or composite samples;
- Collect field duplicates (10%), MS/MSD (as lab required), equipment blanks (1 per day), and field blanks (1 per day); and
- Assume that all samples will be analyzed for total TAL metals (Method 6010C or 6020A), mercury (Method 7470A), volatile organic compounds (VOCs) (Method 8260B), semi-volatile organic compounds (SVOCs) (Method 8270D), organophosphorous pesticides (Method 8141B), organochlorine pesticides (Method 8081B), and dithiocarbamate pesticides (thiram) (Method 630).

**Subsurface Soil Sampling**

- Assume the collection of a maximum of 20 subsurface soil samples from soil borings;
- The depth and GPS location (with sub-meter accuracy) of each soil sample should be recorded;
- Collect field duplicates (10%), MS/MSD (as lab required), equipment blanks (1 per day), and field blanks (1 per day); and
- Assume that all samples will be analyzed for total TAL metals (Method 6010C or 6020A), mercury (Method 7470A), volatile organic compounds (VOCs) (Method 8260B), semi-volatile organic compounds (SVOCs) (Method 8270D), organophosphorous pesticides (Method 8141B), organochlorine pesticides (Method 8081B), and dithiocarbamate pesticides (thiram) (Method 630).

**Groundwater Sampling**

- Assume the collection of a maximum of 30 groundwater samples from groundwater monitoring wells using low-flow groundwater sampling procedures;
- Each groundwater monitoring well should be gauged for depth to groundwater and total depth to the nearest one-hundredth (0.01) of a foot. The gauging data may be used for determining groundwater gradient and flow direction;
- Assume a maximum monitoring well depth of 50 feet;

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- Collect field duplicates (10%), MS/MSD (as lab required), equipment blanks (1 per day), field blanks (1 per day), and trip blanks (1 per cooler containing volatile organic analysis (VOA) vials); and
- Assume that all samples will be analyzed for total TAL metals (Method 6010C or 6020A), mercury (Method 7470A), volatile organic compounds (VOCs) (Method 8260B), semi-volatile organic compounds (SVOCs) (Method 8270D), organophosphorous pesticides (Method 8141B), organochlorine pesticides (Method 8081B), and dithiocarbamate pesticides (thiram) (Method 630).

For cost estimating purposes, you may assume an equal number of samples will be collected at each of the 5 facilities (i.e. 6 surface soil samples, 4 subsurface soil samples, and 6 groundwater samples at each of the 5 facilities).

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor must provide the field sampling and analysis services according to the schedule provided and must be conducted according to standard government and industry practices for sampling and analysis following the field and laboratory specifications and criteria contained in the UFP-QAPP. Analytical data must meet the quality criteria specified in the UFP-QAPP.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 3 will be successful completion of sampling. Deliverables should be of sufficient quality to document the type and location of all samples taken in the field.

**Task 04: Monitor Well and Soil Boring Installations**

**Groundwater Monitoring Well Installation**

**Assumptions:**

- Maximum of 5 groundwater monitoring wells;
- Maximum 50 foot depth: 10 feet screen and 40 feet casing;
- 2 inch PVC casing and number 10 slot screen;
- Assume 3 are stick-up and 2 are flush-mount completions;
- Stick up completions will have protective casing with padlock and 4 bollards;
- Each well will have a 3 foot by 3 foot well pad;
- Development of each well;
- Continuous sampling;
- Monitoring well completion diagrams, boring logs, and well development records should be provided in Trip Reports;
- Drillers shall be licensed in the State of Texas;
- Assume the use of hollow stem auger drilling equipment;
- A Professional Geoscientist (PG) licensed in the State of Texas should oversee the installations and complete the monitoring well completion diagrams and boring logs; and
- Each well should be surveyed by a Professional Surveyor for top of casing and ground surface elevation and location.

**Soil Boring Installation**

**Assumptions:**

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Sampling and Analysis Support at Texas RCRA Facilities**

**Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202**

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- Maximum of 10 soil borings;
- Maximum of 20 foot depth;
- Record gps locations (with sub-meter accuracy) of soil borings;
- Boring logs may be required; and
- Assume the use of direct push technology.

For cost estimating purposes, you may assume an equal number of groundwater monitoring wells and soil borings will be installed at each of the 5 facilities (i.e. 1 monitoring well and 2 soil borings at each of the 5 facilities).

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The groundwater monitoring wells and soil borings should be installed and the wells developed according to standard government and industry practices for the installation of environmental groundwater monitoring wells and soil borings and development of groundwater monitoring wells following SOPs and criteria contained in the UFP-QAPP.

**ACCEPTABLE LEVEL OF QUALITY:** A properly designed, installed, and developed groundwater monitoring well provides groundwater samples that exhibit the physical and chemical properties of that portion of the aquifer screened by the well. Therefore, the measurement for Task 4 will be successful installation of groundwater monitoring wells that provide representative groundwater samples and successful installation of soil borings.

**Task 05: Analytical Data Results**

EPA Houston Lab's routine turnaround time is 35 days. The TOCOR will request that Houston Lab submit (electronically) the analytical reports to both the contractor and the TOCOR.

When using a contract lab, a routine turnaround time should be requested. The contractor should forward the analytical data package to the TOCOR as soon as it is received.

The contractor will perform a completeness check on the analytical data package which includes the following:

- Data package includes all the samples submitted for analysis;
- Data package should include all QA/QC results, lab's narrative regarding dilutions, corrective actions and etc.;
- Requested analytical methods were performed; and
- Report includes analysis dates, sampling dates, laboratory data qualifiers, qualifier definitions, result units, reporting limits, and detection limits.

For cost estimating purposes, a summary of all the samples to be collected is provided in Exhibit A.

The contractor shall compile analytical results in spreadsheet tables. Tables shall include a column of appropriate EPA Regional Screening Levels and/or state risk-based screening levels. Concentrations that exceed appropriate screening levels shall be highlighted in the tables. Analytical tables shall be submitted electronically within 14 days of receiving the analytical reports from the laboratory.

**COMPLEXITY LEVEL:** Moderately complex

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**PERFORMANCE STANDARD:** Analytical data must meet the quality criteria specified in the UFP-QAPP and must meet project quality objectives. The laboratories shall perform the necessary QA/QC requirements according to EPA Method and Standard Method.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 5 will be data completeness (100%).

**Task 06: Trip Report**

The contractor shall prepare a trip report for each project (3 to 5 projects) and submit a draft version to the TOCOR in electronic format within 60 calendar days of completion of field activities. The TOCOR will review the draft trip report and will either approve the report as is or provide comments on the draft report. The final trip report shall be submitted to the TOCOR in electronic and hard copy format within 14 calendar days of receipt of the TOCOR's approval of or comments on the draft report.

Based on the field work performed at each facility, the trip reports may contain the following:

- Short description of the objectives and methodology of sampling, groundwater monitoring well installation, well development, and soil boring installation;
- Discussion about any problems encountered during the field events and deviations from the sampling and analysis plan (UFP-QAPP);
- Short description of any utility clearances performed;
- Personnel participating in the field events and regulatory agency staff onsite during field events;
- Boring logs for groundwater monitoring wells and soil borings (type written);
- Copy of well reports submitted to the State for groundwater monitoring wells and soil borings;
- Well construction diagrams for groundwater monitoring wells (type written);
- Professional survey results for groundwater monitoring wells;
- A table of gps locations for soil borings;
- A table which includes information about each sample (sample id, sample location, sample date/time, analyses performed);
- Map(s) showing sample, groundwater monitoring well, and soil boring locations;
- Table(s) of well development data;
- Tables (for each well sampled) of groundwater parameters and other information monitored during low-flow purging including: approximate depth to pump intake, time, depth to water, flow rate, pH, temperature, specific conductance, oxidation-reduction potential, dissolved oxygen, and turbidity;
- Tables of analytical results (same as prepared under Task 5);
- Information on investigation derived waste (approximate volume of waste and number of drums, staging area, disposal plans/information);
- Chain-of-custody documentation;
- Copy of field logbooks;
- Photographic log of the sampling and/or installation event; and
- A cd(s) containing the laboratory analytical reports.

**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** The Report must be well organized, legible, clear, and contain all data and documentation obtained during the project. Other than copies of field log books, chain-of-custody, and

**Performance Work Statement  
Sampling and Analysis Support at Texas RCRA Facilities**

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laboratory provided reports, the report and all attachments shall be type written, unless handwritten attachments are preapproved by the TOCOR.

**ACCEPTABLE LEVEL OF QUALITY:** The source of measurements for Task 6 is conventions for standard written English (spelling, punctuation, usage, etc.) and technical writing. The report must conform to standard conventions and be professionally written.

**X. Performance Measures and Quality Assurance**

The contractor shall be adequately prepared before going into the field including but not limited to: appropriate field staff with required training and knowledge, appropriate field equipment, and familiarity with site conditions and requirements of the QAPP. The contractor shall use detailed logbooks and photographs to support observations and activities in the field.

The contractor shall coordinate and integrate all activity needed to provide the required support (e.g., problem identification/resolution strategy, responses to inquiries, and/or technical, service, administrative issues, etc.) in a timely, complete and effective manner. The contractor shall use quality assurance monitoring tools to ensure technical support and deliverables meet contract and task order requirements.

Deliverables shall meet the schedule and cost presented in the task order. Written deliverables shall reflect a good command of the English language, be well-organized, and free of grammatical errors, misspellings and incomplete sentences. As required, written deliverables shall also have high-quality professional graphics. Preparation and printing of materials shall be in accordance with GPO guidelines.

The contractor shall utilize staff with the appropriate level of education and work experience to meet the task order requirements. Specialized and/or expert staff must meet the minimum requirements as identified in the individual task orders. Contractor staff shall demonstrate a high level of professionalism.

**XI. Technical Direction**

The TOCOR shall issue technical direction memorandums (TDMs) for 3 to 5 facility projects, which clarify the PWS. Technical direction must be within the scope of the contract and the TO. Technical direction is instruction to the contractor that approves approaches, solutions, designs, or refinements; fills in details; completes the general description of work or documentation items; shifts emphasis among work areas or tasks; or provides similar guidance. It also includes evaluation of contractor performance and comments on deliverables. The TOCOR does not have the authority to issue technical direction which: requires additional work outside the scope, constitutes a change, causes an increase or decrease in the estimated cost, alters the period of performance, or changes any of the other terms or conditions of the contract or TO.

The CO is the only person authorized to make changes to the TO or contract. Any changes to the TO scope, period of performance or deliverable due dates must be approved by the CO in writing.

**XII. Schedule of Deliverables**

The duplication of more than 5,000 copies of a single page or 25,000 or more total impressions is considered "printing" and, therefore, prohibited. For more information on restrictions relating to deliverables, the Contractor is referred to the EPA Publication Management Guide (EPA-175-K-92-011).

**Performance Work Statement  
Sampling and Analysis Support at Texas RCRA Facilities**

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**SUMMARY OF DELIVERABLES AND DUE DATES**

<b><u>DELIVERABLES</u></b>	<b><u>TASK NO.</u></b>	<b><u>NO. OF COPIES*</u></b>	<b><u>DUE DATE*</u></b>
TDM Cost Estimate	Task 1	Electronic	Within 14 days of facility project scoping meeting.
UFP-QAPP and HSP	Task 2	Draft QAPP – electronic Final QAPP and HSP – electronic and one (1) hard copy	Submit draft UFP-QAPP 21 days prior to beginning field activities.  Submit final UFP-QAPP and HSP 7 days prior to beginning field activities.
Sampling, groundwater monitoring well installation, and soil boring installation	Task 3 and 4	N/A	Field activities will be scheduled.
Waste Disposal	Task 3 and 4	N/A	All wastes shall be disposed of within 60 days of the conclusion of sampling, groundwater monitoring well installation, and soil boring installation.
Analytical data results	Task 5	Analytical data package - electronic Tables of compiled analytical results- electronic	Submit analytical data package as soon as it is received from the lab.  Submit tables of compiled analytical results within 14 days of receipt of analytical reports from the lab.
Trip report	Task 6	Draft – electronic Final – electronic and one (1) hard copy	Submit draft Trip Report within 60 days of completion of field activities.  Submit final Trip Report within 14 days of receiving TOCOR's approval/comments on draft Trip Report.

**Performance Work Statement  
Sampling and Analysis Support at Texas RCRA Facilities**

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**Exhibit A  
Sampling Summary**

<b>Sample Type</b>	<b>Number of Samples</b>	<b>Analyses</b>
Surface Soil	30	Total TAL Metals (Method 6010C or 6020A), Mercury (Method 7471B), VOCs (Method 8260B), SVOCs (Method 8270D), organophosphorous pesticides (Method 8141B), organochlorine pesticides (Method 8081B), and dithiocarbamate pesticides (thiram) (Method 630)
Field Duplicates (10%)	3	Total TAL Metals (Method 6010C or 6020A), Mercury (Method 7471B), VOCs (Method 8260B), SVOCs (Method 8270D), organophosphorous pesticides (Method 8141B), organochlorine pesticides (Method 8081B), and dithiocarbamate pesticides (thiram) (Method 630)
Equipment Blanks (1/day)	9	Total TAL Metals (Method 6010C or 6020A), Mercury (Method 7471B), VOCs (Method 8260B), SVOCs (Method 8270D), organophosphorous pesticides (Method 8141B), organochlorine pesticides (Method 8081B), and dithiocarbamate pesticides (thiram) (Method 630)
Field Blanks (1/day)	9	Total TAL Metals (Method 6010C or 6020A), Mercury (Method 7471B), VOCs (Method 8260B), SVOCs (Method 8270D), organophosphorous pesticides (Method 8141B), organochlorine pesticides (Method 8081B), and dithiocarbamate pesticides (thiram) (Method 630)
Trip Blanks (1/VOC cooler)	9	VOCs (Method 8260B)
Subsurface Soil	20	Total TAL Metals (Method 6010C or 6020A), Mercury (Method 7471B), VOCs (Method 8260B), SVOCs (Method 8270D), organophosphorous pesticides (Method 8141B), organochlorine pesticides (Method 8081B), and dithiocarbamate pesticides (thiram) (Method 630)
Field Duplicates (10%)	2	Total TAL Metals (Method 6010C or 6020A), Mercury (Method 7471B), VOCs (Method 8260B), SVOCs (Method 8270D), organophosphorous pesticides (Method 8141B), organochlorine pesticides (Method 8081B), and dithiocarbamate pesticides (thiram) (Method 630)
Equipment Blanks (1/day)	9	Total TAL Metals (Method 6010C or 6020A), Mercury (Method 7471B), VOCs (Method 8260B), SVOCs (Method 8270D), organophosphorous pesticides (Method 8141B), organochlorine pesticides (Method 8081B), and dithiocarbamate pesticides (thiram) (Method 630)
Field Blanks (1/day)	9	Total TAL Metals (Method 6010C or 6020A), Mercury (Method 7471B), VOCs (Method 8260B), SVOCs (Method 8270D), organophosphorous pesticides (Method 8141B), organochlorine pesticides (Method 8081B), and dithiocarbamate pesticides (thiram) (Method 630)



**Performance Work Statement  
Sampling and Analysis Support at Texas RCRA Facilities**

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Trip Blanks (1/VOC cooler)	9	VOCs (Method 8260B)
Groundwater	30	Total TAL Metals (Method 6010C or 6020A), Mercury (Method 7470A), VOCs (Method 8260B), SVOCs (Method 8270D), organophosphorous pesticides (Method 8141B), organochlorine pesticides (Method 8081B), and dithiocarbamate pesticides (thiram) (Method 630)
Field Duplicates (10%)	3	Total TAL Metals (Method 6010C or 6020A), Mercury (Method 7470A), VOCs (Method 8260B), SVOCs (Method 8270D), organophosphorous pesticides (Method 8141B), organochlorine pesticides (Method 8081B), and dithiocarbamate pesticides (thiram) (Method 630)
Equipment Blanks (1/day)	15	Total TAL Metals (Method 6010C or 6020A), Mercury (Method 7470A), VOCs (Method 8260B), SVOCs (Method 8270D), organophosphorous pesticides (Method 8141B), organochlorine pesticides (Method 8081B), and dithiocarbamate pesticides (thiram) (Method 630)
Field Blanks (1/day)	15	Total TAL Metals (Method 6010C or 6020A), Mercury (Method 7470A), VOCs (Method 8260B), SVOCs (Method 8270D), organophosphorous pesticides (Method 8141B), organochlorine pesticides (Method 8081B), and dithiocarbamate pesticides (thiram) (Method 630)
Trip Blanks (1/VOC cooler)	15	VOCs (Method 8260B)
Solid Non-hazardous IDW	20	TCLP – TAL Metals, Mercury, VOCs, SVOCs, organophosphorous pesticides, organochlorine pesticides, and dithiocarbamate pesticides (thiram)
Liquid Non-hazardous IDW	10	Total TAL Metals, Mercury, VOCs, SVOCs, organophosphorous pesticides, organochlorine pesticides, and dithiocarbamate pesticides (thiram)

Note: For costing purposes, assume that half of the analyses are performed by EPA Houston Lab.

EP-W-12-031 TASK ORDER 6603

Mod #	Reason For Modification	Status	Award Date	Obligation	Total Amount
BASE		Released	11/29/2012	\$172,005.00	\$172,005.00
012	Close Out	Released	3/17/2016	(\$36,762.03)	(\$36,762.03)
011	Funding Only Action	Released	11/20/2013	\$34,536.50	\$34,536.50
010	Funding Only Action	Released	11/7/2013	(\$50,000.00)	(\$50,000.00)
009	Other Administrative Action	Released	9/11/2013	\$0.00	\$0.00
008	Funding Only Action	Released	8/13/2013	\$37,017.00	\$37,017.00
007	Change Order	Released	8/2/2013	\$12,638.59	\$12,638.59
006	Funding Only Action	Released	7/23/2013	\$2,977.19	\$2,977.19
005	Change Order	Released	6/25/2013	\$0.00	\$0.00
004	Change Order	Released	6/13/2013	\$0.00	\$0.00
003	Change Order	Released	3/8/2013	\$0.00	\$0.00
002	Other Administrative Action	Released	2/12/2013	\$0.00	\$0.00
001	Funding Only Action	Released	12/20/2012	\$15,471.01	\$15,471.01

# ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 01/17/2013		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO: a. NAME OF CONSIGNEE Region 6	
3. ORDER NO. 6604		4. REQUISITION/REFERENCE NO. PR-R6-13-00048			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency 1445 Ross Avenue Suite 1200	
7. TO: (b)(4)				c. CITY Dallas	
a. NAME BOOZ ALLEN HAMILTON INC.				d. STATE TX	
b. COMPANY NAME				e. ZIP CODE 75202-2733	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				f. SHIP VIA	
d. CITY MCLEAN				8. TYPE OF ORDER <input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR:  Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
e. STATE VA				10. REQUISITIONING OFFICE	
f. ZIP CODE 221023838					
9. ACCOUNTING AND APPROPRIATION DATA See Schedule					

11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB				12. F.O.B. POINT Destination	
13. PLACE OF a. INSPECTION Destination		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
b. ACCEPTANCE Destination				16. DISCOUNT TERMS	

## 17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 006928857 Task Order 6604 NOC Report Review, Ash Grove, Ark Facility  This Time-and-Materials Task Order is hereby initiated approving the contractor's Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$29,659.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (D143-02) 109 TW Alexander Drive						
c. CITY Durham		d. STATE NC	e. ZIP CODE 27711				17(i) GRAND TOTAL

22. UNITED STATES OF  
AMERICA BY (Signature)

23. NAME (Typed)  
Corey Kerzhner  
TITLE: CONTRACTING/ORDERING OFFICER

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO  
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 01/17/2013	CONTRACT NO. EP-W-12-031	ORDER NO. 6604
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>proposal dated January 2, 2013 in the amount of \$29,659.00. Full funding in the amount of \$29,659.00 is provided.</p> <p>All other terms and conditions remain in full force and effect. TOPO: Harry Shah Admin Office: SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460 Period of Performance: 01/17/2013 to 06/30/2013</p> <p>NOC Report Review, Ash Grove, Ark Facility</p> <p>NOC Report Review, Ash Grove, Ark Facility</p> <p>Accounting Info: 13-14-B-06J-303D99-2505-1306JAR001-001 BFY: 13 EFY: 14 Fund: B Budget Org: 06J Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1306JAR001-001 Funding Flag: Complete Funded: \$29,659.00</p> <p>The obligated amount of award: \$29,659.00. The total for this award is</p>				29,659.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$29,659.00

**U. S. ENVIRONMENTAL PROTECTION AGENCY**

**FACILITY: Ash Grove, Foreman, ARK**

**Notification of Compliance (NOC) Report Review**

Performance Work Statement

**Task Order 6604**

December, 2012

I. Title Ash Grove, Foreman, AR, Notification of Compliance (NOC) report review.

II. Period of Performance

The period of performance for this work will be from the date of issuance through June 30, 2013.

III. EPA Key Personnel

The following personnel are currently certified as CORs:

CL-COR Flora Greene, 6PD-M, 214-665-8428

TOCOR, Harry Shah, 6PD-A, 214-665-6457

Co-TOCOR, Esther Coleman, 6PD-A, 214-665-8517

III. Background

The United States Environmental Protection Agency (EPA) has developed "Maximum Achievable Control Technology" (MACT) standards for "hazardous air pollutants"(HAP) for hazardous waste combustors (MACT EEE). These combustors include hazardous waste burning incinerators, cement kiln, lightweight aggregate kilns, boilers, and hydrochloric acid production furnaces. The replacement standards for the phase-I units [incinerators, cement kiln, lightweight aggregate kilns] and rule for the phase-II units [boilers, and hydrochloric acid production] were promulgated on October 12, 2005 and codified in 40 CFR Part 63, Subpart EEE . Ash Grove, Foreman, AR owns and operates a dry cement kiln which is subject to HWC MACT EEE standards for a new source cement kiln standards. Ash Grove conducted a Comprehensive Performance Test (CPT) during February 2012. Ash Grove submitted Notification of Compliance (NOC) report in May 2012. The purpose of the PWS is to obtain contractor support in conducting the review NOC report.

IV. Objective/Purpose

The purpose of the PWS is to obtain contractor support in reviewing the NOC report. The contractor will check for stack gas parameters and emission rate results, key process system parameters and results, deviation from the approved CPT plan, evaluate compliance with CPT objectives. The contractor will also recommend Operating Parameter Limits (OPLs) based on the NOC.

V. Assumptions and Constraints

- 1 NOC report and all supporting documents including but not limited to correspondences between Ash Grove and EPA, Alternative Monitoring Application (AMA) request approval, will be provided by EPA Region 6.

(The report and supporting documents are comprised of approximately 1500 pages. Of those 1500 pages, the actual report is approximately 150 pages. To assist in preparing an estimate, the NOC's Table of Contents is provided as Attachment 1 to this PWS.)

- 2 The Contractor shall provide a detailed description of relevant combustion MACT EEE experience of the project team proposed, and include specific project and CPT NOC report review experience in the area of HWC Combustion.
- 3 The TOCOR shall be consulted prior to any deviation to the plans developed under this Task Order.
- 4 The contractor is not expected to review analytical lab data provided by Ash Grove. That review will be completed by EPA Region 6.

## VI. Scope

The following section specifies the tasks and associated performance requirements to be accomplished by the contractor under the REPA V PWS. The contractor must comply with all performance standards and acceptable quality levels specified in this PWS as well as the contractual quality assurance provisions of the REPA V contract

### Task 1 – Review of the NOC.

The contractor shall review and verify the results, and evaluate compliance with the requirements and the standards of HWC MACT (Part 63, Subpart EEE), as reported in section 3, section 4, section 5, section 7, and the list of Tables in the NOC Report Appendix (Attached).

- 1.1 The Contractor will review hazardous waste sampling locations and methods. This includes sampling intervals and compositing time.
- 1.2 The contractor will review the hazardous waste raw data and stack gas raw data, and verify the holding time requirements met for analyses of Metals (semi-volatile metals, low-volatile metals), Mercury, Total Chlorine, and other stack gas parameters analyzed.
- 1.3 The contractor will review and verify Stack gas sampling traverse points, stack gas velocity, moisture, and flow rates.
- 1.4 The contractor will review the stack gas sampling and analysis methods used and verify its compliance with the regulations. The contractor will verify the correctness and acceptability of the stack gas sampling results for Metals, Mercury, Total Chlorine, Dioxin/Furans, and POHC for each run.



- 1.5 The contractor will verify System Removal Efficiency, calculated and reported in the NOC for Metals, Mercury, Total Chlorine for each run.
- 1.6 The contractor will verify Destruction and Removal Efficiency (DRE) calculations by reviewing the POHC spike amounts and the stack gas results.
- 1.7 The contractor will review and recommend OPLs for the combustion unit (40 CFR 63.1209) as required by the regulation.
- 1.8 The contractor will review and verify emission rate calculations for all the pollutants as per 40 CFR Part 63, Subpart EEE.

COMPLEXITY LEVEL: Highly Complex

PERFORMANCE STANDARD: Contractor will conduct weekly conference call with TOCOR to update on the review status and communicate any observed concerns. Written deliverables will reflect a good command of the English language, be well organized, and free of grammatical errors, misspellings and incomplete sentences. As required, written deliverables will also have high quality professional graphics. Contract personnel will meet the standards of the position as described in the contract schedule. The contractor will utilize staff with the appropriate level of education and work experience to meet the task order requirements. Contractor staff will demonstrate a high level of professionalism.

ACCEPTABLE LEVEL OF QUALITY: Review of NOC will be considered timely if completed within 12 weeks of the contract award.

#### Task 2 – NOC Review Report.

- 2.1 The contractor will submit a draft report (electronic) comprising all the calculations and the results of the review and verifications conducted in Task 1 for review by TOCOR.
- 2.2 The contractor will submit a Final NOC Review Report within 4 weeks of the comments from TOCOR. The Final Report will be submitted in form of CD and one hard copy.

COMPLEXITY LEVEL: Highly Complex

PERFORMANCE STANDARD: Written deliverables will reflect a good command of the English language, be well organized, and free of grammatical errors, misspellings and incomplete sentences. As required, written deliverables

will also have high quality professional graphics. Contract personnel will meet the standards of the position as described in the contract schedule. The contractor will utilize staff with the appropriate level of education and work experience to meet the task order requirements. Contractor staff will demonstrate a high level of professionalism.

**ACCEPTABLE LEVEL OF QUALITY:**

Receipt of the Final NOC Review Report within 4 weeks of the final comments from TOCOR will be considered acceptable.

**V. Technical Direction**

Technical Direction is for the purpose of clarification of the PWS only. If a Technical Direction Document is issued which changes the scope or increases/decreases the price of the task order, the contractor will not proceed. The contractor will immediately contact the CLCOR, Contracting Officer and Contract Specialist.

**VI. Schedule of Deliverables**

The contractor will prepare and present all the deliverables according to the following:

Deliverables	Due Date
(1) Draft NOC Review Report (electronic)	Within 12 weeks of receipt the NOC report and supporting documents.
(2) Final NOC Review Report (one CD and one hard copy)	Within 4 weeks of receipt of final comments from TOCOR.

EP-W-12-031 TASK ORDER 6604 MODIFICATION SUMMARY

Mod #	Reason For Modification	Status	Award Date	Obligation
BASE		Released	1/17/2013	\$29,659.00
002	Supplemental Agreement for work within scope	Released	1/20/2016	(\$583.64)
001	Other Administrative Action	Released	2/7/2013	\$0.00

**Total Amount**

\$29,659.00 CLOSED OUT

(\$583.64)

\$0.00

# ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 01/03/2013		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO: a. NAME OF CONSIGNEE Region 6	
3. ORDER NO. 6605		4. REQUISITION/REFERENCE NO. PR-R6-13-00050			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency 1445 Ross Avenue Suite 1200	
				c. CITY Dallas	e. ZIP CODE 75202-2733
7. TO: (b)(4)		f. SHIP VIA			
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: _____ Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE	

11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB				12. F.O.B. POINT Destination	
13. PLACE OF a. INSPECTION Destination		b. ACCEPTANCE Destination		14. GOVERNMENT B/L NO.	
				15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
16. DISCOUNT TERMS					

## 17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 006928857 Task Order 6605 Sustainable Materials Management (SMM) Workshop  This Firm-Fixed-Priced Task Order is hereby initiated approving the contractor's Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$12,500.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (D143-02) 109 TW Alexander Drive						\$12,500.00
c. CITY Durham		d. STATE NC	e. ZIP CODE 27711				17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature)

23. NAME (Typed)  
Corey Kerzhner  
TITLE: CONTRACTING/ORDERING OFFICER

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO  
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 01/03/2013	CONTRACT NO. EP-W-12-031	ORDER NO. 6605
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>proposal dated December 21, 2012 in the amount of \$18,877. Incremental funding in the amount of \$12,500.00 is provided which the contractor is not authorized to exceed.</p> <p>All other terms and conditions remain in full force and effect. TOPO: Esther Coleman Admin Office:     SRPOD     US Environmental Protection Agency     Ariel Rios Building     1200 Pennsylvania Avenue, N. W.     Mail Code: 3805R     Washington DC 20460</p> <p>Period of Performance: 01/03/2013 to 09/12/2013</p> <p>\$12,500 REPA 5, RFO for Sustainable Materials Management (SMM) Workshop</p> <p>Sustainable Materials Management (SMM) Workshop</p> <p>Accounting Info: 13-14-B-06J-302DA1-2505-1306JUR001-001   BFY: 13 EFY: 14 Fund: B Budget Org: 06J Program (PRC): 302DA1 Budget (BOC): 2505 DCN - Line ID: 1306JUR001-001 Funding Flag: Complete Funded: \$12,500.00</p> <p>The obligated amount of award: \$12,500.00. The total for this award is</p>				12,500.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$12,500.00

# **Sustainable Materials Management (SMM) Workshop**

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**CONTRACT NUMBER: EP-W-12- \_\_\_\_\_**  
**CONTRACT NAME: REPA 5**  
**CONTRACTOR NAME: \_\_\_\_\_**  
**TASK ORDER NUMBER: 6605**

December 5, 2012

CL-COR  
FLORA GREENE  
M/S 6PD-M  
[greeneflora@epa.gov](mailto:greeneflora@epa.gov)  
Work: (214) 665-8517  
Fax: (214) 665-6762

Task Order COR  
ESTHER COLEMAN  
M/S 6PD-A  
[coleman.esther@epa.gov](mailto:coleman.esther@epa.gov)  
Work: (214) 665-8517  
Fax: (214) 665-6762

## **1. Authorization**

This Performance Work Statement (PWS) is in accordance with Task 5, TRAINING, CONFERENCES, COMMUNITY ENGAGEMENT AND PUBLIC OVERSIGHT of the REPA V Contract.

## **2. Period of Performance**

The period of performance for the resulting Task Order (TO) will be from the date of Contracting Officer issuance through September 12, 2013.

## **3. Background**

Region 6 will host a one and one half (1 ½) day workshop in the Austin, TX area. Austin was selected because it is a leader in zero waste as well as a hub for universities, federal agencies and military bases. The topics include the specific areas of Sustainable Materials Management (SMM) that EPA is targeting: Federal Green Challenge, Food Recovery Challenge and the Electronics Challenge. The Workshop will include a plenary session with topics germane to all attendees and break-out sessions for specific SMM tracks.

## **4. Objective/Purpose**

The purpose of the SMM Workshop is to educate the environmental community and lay a sound foundation for our Region 6 stakeholders on the strategies and direction of EPA's Sustainable Materials Management program. It is an opportunity to train existing participants on the tools used to track the successes of the SMM Challenges, as well as welcome and network with potential new Partners to help continue the joint effort to advance and improve EPA's SMM Challenges.

# **Sustainable Materials Management (SMM) Workshop**

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## **5. Assumptions and Constraints**

Workshop services shall be based on Task Order requirements for training and workshop support, and shall consider any applicable Federal, state and other pertinent standards, guidelines, policies and/or regulations, specifically REPA5 clauses H.1, incorporating by reference FAR 1552.223-71 MAY 2007 EPA GREEN MEETINGS AND CONFERENCES and clause H.17 EPA-SPONSORED MEETINGS, WORKSHOPS, AND CONFERENCES (EPA-H-31-106).

## **6. SCOPE**

The contractor shall provide assistance in developing an SMM Workshop and conducting workshop training and support as described below:

**6.1 Task 1 – Project Management.** The contractor shall provide progress reports that reflect the contractor's activities in the performance of this work, in accordance with the approved PWS. The contractor shall review agenda and provide suggestions, recommendations on presenters (upon request), agenda flow, topics, and content, if necessary. The contractor shall utilize TRAINEX for collection of registration information for EPA. The contractor shall maintain and provide a list of attendees to EPA at the end of the Workshop, and shall provide copies of all correspondence and literature to and from any vendors, states, and Regions used in completion of the tasks associated with this Task Order to the TOCOR. The contractor shall also provide electronic availability of Workshop materials and presentations. The contractor shall include activities related to project close out of this Task Order.

**COMPLEXITY LEVEL:** Less Complex

**PERFORMANCE STANDARD:** Written deliverables shall reflect a good command of the English language, be well organized, and free of grammatical errors, misspellings and incomplete sentences.

**6.2 Task 2 - Develop and Conduct Workshop Sessions.** The contractor shall provide 1 staff at each session, to facilitate and conduct the training. The training will be held in a City of Austin, TX at a government facility. The Contractor shall assist Region 6 Dallas, TX by providing the necessary support to conduct a one and one half (1 ½) day SMM Workshop. The target date for the SMM Workshop is February 2013. The Workshop should accommodate up to 150 attendees.

Support shall include such things as:

- Development of Workshop notification mail-outs,
- Providing assistance in workshop registration activities (registration forms, name tags, registration table),



## **Sustainable Materials Management (SMM) Workshop**

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- Coordinating an open block of hotel rooms for attendees,
- Provide input on the agenda,
- Provide Workshop materials in electronic format,
- Ensure visual aids (if necessary) to support the workshop are available and ready to use,
- Obtaining the audio/visual equipment necessary for use during the Workshop (if not supplied by the facility),
- Development of Workshop reference materials in electronic format (speakers notes, presentations, attendee list),
- Assisting with the facilitation of the different Workshop tracks,
- Note taking during the meeting,
- Produce list of attendees and provide copies,
- and other support as needed (and approved under this TO.)

Contractor shall disseminate announcements of the Workshop to all potentially interested parties, including, but not necessarily be limited to: Regional federal executives, Federal Green Challenge partners, federal facility managers, State government agencies, Council of Governments (COGs), Solid Waste Planning Districts, Industry, Grocery stores, Recyclers, Universities and Local governments, applicable nonprofit organizations, including environmental organizations. Public announcements shall be disseminated in both written and digital formats (e.g., via email/websites), or other appropriate outreach formats.

**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** The contractor shall provide a one and one half (1 ½) day training session, to be held in an Austin, TX at a government facility. The contractor shall conduct SMM Workshop for up to 150 attendees. It is estimated that the contractor shall provide 2 staff to facilitate and conduct the Workshop (1 for each separate session). Workshop session presenters shall reflect a good command of the English language, a good command of the subject matter, be well organized, and be free of grammatical errors and incomplete sentences. The contractor shall implement time management skills to maintain start and end time session scheduling. EPA will be responsible for securing the venue for the Workshop.

**6.3 Task 3 – Obtain Speakers and Speaker Presentations/Notes.** The contractor shall (upon request) recommend specialized speakers for specific Workshop topics, and shall ensure that the speakers are appropriate and available to perform the work required under this Task Order. EPA will have final approval of any speakers recommended by the contractor. The Contractor shall obtain speakers presentation, hand-outs, notes and/or, etc., prior to workshop.

**COMPLEXITY LEVEL:** Moderately Complex

## Sustainable Materials Management (SMM) Workshop

**PERFORMANCE STANDARD:** The contractor shall ensure that all speakers are knowledgeable and objective on the Workshop topic which they will be presenting. Presentations shall address the specific Workshop sessions' key areas of concern, expected outcomes, and success metrics. EPA will provide a list of potential speakers/presenters for the contractor's review and consideration, but the contractor can consider and submit other potential qualified presenters.

### 7. Technical Direction

The TOCOR is authorized to provide technical direction, which clarifies the PWS, only. Technical direction must be within the scope of the contract and the TO. Technical direction should not make *changes to the scope or increases/decreases the price of the task order. If the contractor receives such direction, he shall not proceed. The contractor shall immediately contact the CL-COR, Contracting Officer and Contract Specialist."*

### 8. SCHEDULE OF DELIVERABLES

The contractor shall provide EPA with the appropriate deliverables by the specified deadlines according to Table A, below.

Table A  
**Schedule of Deliverables**

Deliverable	Deadline
6.1 Project Management	Immediately upon issuance of TOCOR TDM and ongoing throughout Task Order
6.2 Develop Training Workshop Sessions	Within thirty (30) days of issuance of TOCOR TDM
6.3 Coordinate Speakers and Speaker presentations	At least seven (7) days Prior to Workshop date
6.2 Conduct Workshop Sessions	Within fourteen (14) days of issuance of TOCOR TDM.
Provide Monthly Report	The 20 <sup>th</sup> of each month.

\*Note: All days are calendar days unless otherwise specified.

EP-W-12-031 TASK ORDER 6605

Mod #	Reason For Modification	Award Date	Obligation	Total Amount
BASE		1/3/2013	\$12,500.00	\$12,500.00
003	Funding Only Action	7/23/2013	(\$2,977.19)	(\$2,977.19)
002	Change Order	2/22/2013	\$6,122.00	\$6,122.00
001	Funding Only Action	2/12/2013	\$6,377.00	\$6,377.00
				<b>\$22,021.81</b>

# ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

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IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 09/24/2013		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO: a. NAME OF CONSIGNEE Region 6	
3. ORDER NO. 6607		4. REQUISITION/REFERENCE NO. PR-R6-13-00323			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency 1445 Ross Avenue Suite 1200	
7. TO: (b)(4)				c. CITY Dallas	e. ZIP CODE 75202-2733
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				d. STATE TX	
b. COMPANY NAME				8. TYPE OF ORDER <input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				REFERENCE YOUR:  Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838	Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE Region 6	

11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB				12. F.O.B. POINT Destination	
13. PLACE OF a. INSPECTION Destination		b. ACCEPTANCE Destination		14. GOVERNMENT B/L NO.	
				15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
				16. DISCOUNT TERMS	

## 17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 006928857 Waste Disposal and Trip Report, Walker Wood  This Time-and-Material Task Order is hereby initiated approving the contractor's proposal dated September 4, 2013 in the Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$11,277.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive						\$11,277.00
c. CITY Durham				d. STATE NC	e. ZIP CODE 27711		17(i) GRAND TOTAL

22. UNITED STATES OF  
AMERICA BY (Signature)

23. NAME (Typed)  
Derek Davis  
TITLE: CONTRACTING/ORDERING OFFICER

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO  
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 09/24/2013	CONTRACT NO. EP-W-12-031	ORDER NO. 6607
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>amount of \$11,277.00. Funding in the amount of \$11,277.00 is provided which the contractor is not authorized to exceed.</p> <p>All other terms and conditions remain unchanged and in full force and effect. TOPO: Richard Ehrhart Admin Office: SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460 Period of Performance: 09/24/2013 to 09/12/2014</p> <p>Waste Disposal and Trip Report Support, Walker Wood</p> <p>Accounting Info: 13-14-B-06J-302DA1-2505---1306JFR003-0 01 BFY: 13 EFY: 14 Fund: B Budget Org: 06J Program (PRC): 302DA1 Budget (BOC): 2505 DCN - Line ID: 1306JFR003-001 Funding Flag: Partial Funded: \$11,277.00</p> <p>The obligated amount of award: \$11,277.00. The total for this award is shown in box 17(i).</p>				11,277.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$11,277.00

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 1	
2. AMENDMENT/MODIFICATION NO. 001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY CODE SRRPOD		7. ADMINISTERED BY (If other than Item 6) CODE	
SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460		8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) BOOZ ALLEN HAMILTON INC. Attn: HEATHER TEED 8283 GREENSBORO DRIVE MCLEAN VA 221023838		9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11)	
CODE 006928857		FACILITY CODE		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-12-031 6607 10B. DATED (SEE ITEM 13) 09/24/2013	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Mutual Agreement of the Parties
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☐ is not. ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 006928857

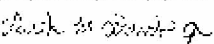
Waste Disposal and Trip Report, Walker Wood

TOCOR: Richard Ehrhart

The purpose of this modification is to close out the Task Order in the amount of \$11,249.18. The CLIN has been adjusted based on the final invoiced totals previously paid. The Task Order period of performance has ended and this modification will administratively close out the Task Order.

Period of Performance: 09/24/2013 to 09/12/2014

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Derek Davis	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 05/09/2016

**Waste Disposal and Trip Report at Walker Wood, Livingston, TX**

**Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202**

=====

CONTRACT NUMBER: EP-W-12-031  
CONTRACT NAME: REPA 5  
CONTRACTOR NAME: BOOZ, ALLEN & HAMILTON  
**REGION 6 TASK ORDER NUMBER: TO 6607, Logical Follow-on to TO 6603**

August 1, 2013

**I. Title    Waste Disposal and Trip Report at Walker Wood Facility, Livingston, TX**

**II. Contract Officer Representatives**

**EPA Regional Project Officer**

FLORA GREENE  
M/S 6PD-M  
greene.flora@epa.gov  
Work: (214) 665-8428

**EPA Task Order Contract Officer Representative (TOCOR)**

TARA HUBNER  
M/S 6PD-F  
hubner.tara@epa.gov  
Work: (214) 665-7246

**III. Authorization**

This Performance Work Statement (PWS) is in accordance with Task 2.2 Field Sampling, of the REPA 5, Zone II Contract SOW.

**IV. Period of Performance**

The period of performance for this Task Order (TO) is from the date of Contracting Officer (CO) issuance through September 12, 2014.

**V. Place of Performance**

This task order will involve disposing of the investigation derived waste (IDW) that was generated at Walker Wood during the field work conducted under TO6603. This task order will also include the compilation of the analytical results and preparation of a draft and final trip report to document the investigations that were performed at Walker Wood, Livingston, Texas.

**VI. Background**

Historically, the EPA has used contractors under the REPA contract for sampling support at RCRA facilities in Region 6. The support activities have included sampling, sample analysis, groundwater monitoring, well installation, soil boring installation, waste disposal, analytical data compilation, and preparation of trip report.

## **Waste Disposal and Trip Report at Walker Wood, Livingston, TX**

**Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202**

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This PWS will require the contractor to perform waste disposal, analytical data compilation, and trip report preparation for investigations that were performed under a prior task order.

### **VII. Objective/Purpose**

The purpose of this PWS is to provide disposal of IDW, data compilation, and trip report preparation for the investigations that were performed at Walker Wood under TDM 6603.

### **VIII. Assumptions and Constraints**

- Waste characterization samples were collected and analyzed under TO6603. Therefore, no further sampling will be required to characterize the waste; and
- Assume that the waste is non-hazardous.

### **IX. Scope**

#### **Task 01: Project Management**

The contractor shall prepare and solicit bids from sub-contractors and vendors, identify and make arrangements for project staff as required, and perform other general project management duties under this task. This task is *not* intended to include tasks that would be associated with the general cost of doing business. A TO kickoff meeting shall be held after the TO is awarded.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor must identify and utilize personnel, subcontractors, and vendors with the requisite training, ability, and knowledge to perform the other tasks within this task order.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 1 will be the performance of staff, subcontractors and vendors to complete the other tasks within this task order.

#### **Task 02: Waste Disposal**

The contractor shall characterize using the sample analytical results and appropriately dispose of offsite the IDW that was left staged onsite at Walker Wood during the investigations performed under TO6603. The waste shall be disposed of within 60 calendar days of the TO kickoff meeting.

**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** The contractor will follow applicable state and federal regulations and guidance on waste characterization.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement for Task 2 will be that the waste is appropriately characterized and disposed of.

#### **Task 03: Analytical Data Results**

The contractor shall compile the analytical results into tables for the samples that were collected at Walker Wood under TO6603. The tables shall include all analytes, not just detections. The tables shall include a column of appropriate EPA Regional Screening Levels and/or state risk-based screening levels. Concentrations that exceed appropriate screening levels shall be highlighted in the tables. Analytical tables shall be submitted within the trip report and also as an electronic spreadsheet file.



## **Waste Disposal and Trip Report at Walker Wood, Livingston, TX**

**Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202**

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**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** The compiled results shall be complete and accurately reflect the results in the laboratory analytical reports.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 3 will be data completeness.

### **Task 04: Trip Report**

The contractor shall prepare a trip report for each of the investigations that were performed at Walker Wood under TO6603 (2 trip reports) and submit a draft version to the TOCOR in electronic format within 60 calendar days of the TO kickoff meeting. The TOCOR will review the draft trip report and will either approve the report as is or provide comments on the draft report. The final trip report shall be submitted to the TOCOR in electronic and hard copy format within 14 calendar days of receipt of the TOCOR's approval of or comments on the draft report.

The trip reports shall contain the following, if applicable:

- Short description of the objectives and methodology of sampling, groundwater monitoring well installation, well development, and soil boring installation;
- Discussion about any problems encountered during the field events and deviations from the sampling and analysis plan (UFP-QAPP);
- Short description of any utility clearances performed;
- Personnel participating in the field events and regulatory agency staff onsite during field events;
- Boring logs for groundwater monitoring wells and soil borings (type written);
- Copy of well reports submitted to the State for groundwater monitoring wells and soil borings;
- Well construction diagrams for groundwater monitoring wells (type written);
- Professional survey results for groundwater monitoring wells;
- A table of gps locations for groundwater monitoring wells and soil borings;
- A table which includes information about each sample (sample id, sample location, sample date/time, analyses performed);
- Map(s) showing sample, groundwater monitoring well, and soil boring locations;
- Table(s) of well development data;
- Tables (for each well sampled) of groundwater parameters and other information monitored during low-flow purging including: approximate depth to pump intake, time, depth to water, flow rate, pH, temperature, specific conductance, oxidation-reduction potential, dissolved oxygen, and turbidity;
- Tables of analytical results;
- Information on investigation derived waste (approximate volume of waste and disposal information);
- Chain-of-custody documentation;
- Copy of field logbooks;
- Photographic log of the sampling and/or installation event; and
- A cd(s) containing the laboratory analytical reports.

**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** The Report must be well organized, legible, clear, and contain all data and documentation obtained during the project. Other than copies of field log books, chain-of-custody, and laboratory provided reports, the report and all attachments shall be type written, unless handwritten attachments are preapproved by the TOCOR.

**Waste Disposal and Trip Report at Walker Wood, Livingston, TX**

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**ACCEPTABLE LEVEL OF QUALITY:** The source of measurements for Task 4 is conventions for standard written English (spelling, punctuation, usage, etc.) and technical writing. The report must conform to standard conventions and be professionally written.

**X. Performance Measures and Quality Assurance**

Deliverables shall meet the schedule and cost presented in the task order. Written deliverables shall reflect a good command of the English language, be well-organized, and free of grammatical errors, misspellings and incomplete sentences. As required, written deliverables shall also have high-quality professional graphics. Preparation and printing of materials shall be in accordance with GPO guidelines.

The contractor shall utilize staff with the appropriate level of education and work experience to meet the task order requirements. Contractor staff shall demonstrate a high level of professionalism.

**XI. Technical Direction**

Technical direction is instruction to the contractor that approves approaches, solutions, designs, or refinements; fills in details; completes the general description of work or documentation items; shifts emphasis among work areas or tasks; or provides similar guidance. It also includes evaluation of contractor performance and comments on deliverables. The TOCOR does not have the authority to issue technical direction which: requires additional work outside the scope, constitutes a change, causes an increase or decrease in the estimated cost, alters the period of performance, or changes any of the other terms or conditions of the contract or TO.

The CO is the only person authorized to make changes to the TO or contract. Any changes to the TO scope, period of performance or deliverable due dates must be approved by the CO in writing.

**XII. Schedule of Deliverables**

The duplication of more than 5,000 copies of a single page or 25,000 or more total impressions is considered "printing" and, therefore, prohibited. For more information on restrictions relating to deliverables, the Contractor is referred to the EPA Publication Management Guide (EPA-175-K-92-011).

**SUMMARY OF DELIVERABLES AND DUE DATES**

<b><u>DELIVERABLES</u></b>	<b><u>TASK NO.</u></b>	<b><u>NO. OF COPIES*</u></b>	<b><u>DUE DATE*</u></b>
Waste Disposal	Task 2	N/A	All wastes shall be disposed of within 60 calendar days of TO kickoff meeting.

**Waste Disposal and Trip Report at Walker Wood, Livingston, TX**

**Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202**

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Analytical data results	Task 3	Tables of compiled analytical results- electronic spreadsheet file and within Trip Report	Submit tables of compiled analytical results along with the Trip Report as both electronic spreadsheet file and within Trip Report.
Trip report	Task 4	Draft – electronic Final – electronic and one (1) hard copy	Submit draft Trip Report within 60 calendar days of TO kickoff meeting.  Submit final Trip Report within 14 days of receiving TOCOR's approval/comments on draft Trip Report.

# ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1 3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 08/12/2015		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO: a. NAME OF CONSIGNEE Region 6	
3. ORDER NO. 6624		4. REQUISITION/REFERENCE NO. See Schedule			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency 1445 Ross Avenue Suite 1200	
				c. CITY Dallas	e. ZIP CODE 75202-2733
7. TO: (b)(4)				f. SHIP VIA	
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE Region 6	

11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT Destination	
<input type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
a. INSPECTION	b. ACCEPTANCE				

## 17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 006928857 TCEQ RCRA File Review - CA800/CCA900/CA999 GPRA Measures  This time-and-materials task order is hereby initiated approving the contractor's Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$107,272.96
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive						\$107,272.96
c. CITY Durham				d. STATE NC	e. ZIP CODE 27711		17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature)

08/12/2015

*Margie Weathers*

ELECTRONIC SIGNATURE

23. NAME (Typed)  
Margie Weathers  
TITLE: CONTRACTING/ORDERING OFFICER

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO  
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 08/12/2015	CONTRACT NO. EP-W-12-031	ORDER NO. 6624
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>proposal in the amount of \$107,272.96, dated July 22, 2015. This task order is fully funded and the contractor is not authorized to exceed this amount. All other terms and conditions of the parent contract remain in full force and effect. TOCOR: REHRHART Max Expire Date: 09/12/2017 Admin Office: SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460 Period of Performance: 08/12/2015 to 09/12/2015</p> <p>TCEQ File Review Requisition No: PR-R6-15-00162, PR-R6-15-00177</p> <p>Accounting Info: 15-16-B-06J-303D99-2505-1506JAR001-001 BFY: 15 EFY: 16 Fund: B Budget Org: 06J Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1506JAR001-001 Funding Flag: Complete Funded: \$30,000.00 Accounting Info: 15-16-B-06J-302DA1-2505-1506JAR001-002 BFY: 15 EFY: 16 Fund: B Budget Org: 06J Program (PRC): 302DA1 Budget (BOC): 2505 DCN - Line ID: 1506JAR001-002 Funding Flag: Complete Funded: \$50,000.00 Accounting Info: 15-16-B-06J-302DA2-2505-1506JCR009-001 BFY: 15 EFY: 16 Fund: B Budget Org: 06J Program (PRC): 302DA2 Budget (BOC): 2505 DCN - Line ID: 1506JCR009-001 Funding Flag: Complete Funded: \$8,302.00 Continued ...</p>				107,272.96	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$107,272.96

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO  
3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 08/12/2015	CONTRACT NO. EP-W-12-031	ORDER NO. 6624
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	<p>Accounting Info:  15-16-B-06J-303D99-2505-1506JCR009-002  BFY: 15 EFY: 16 Fund: B Budget Org:  06J Program (PRC): 303D99 Budget  (BOC): 2505 DCN - Line ID:  1506JCR009-002  Funding Flag: Complete  Funded: \$18,970.96</p> <p>Dave Vogler is the Alternate TOCOR for Task  Order 6624. His contact information is as  follows:  vogler.david@epa.gov  (214) 665-7428</p> <p>The obligated amount of award: \$107,272.96.  The total for this award is shown in box  17(i).</p>					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

**Performance Work Statement**  
**TCEQ File Review – CA800/CA900/CA999 GPRA Measures**  
Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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CONTRACT NUMBER: \_\_\_\_\_  
CONTRACT NAME: REPA 5  
CONTRACTOR NAME: \_\_\_\_\_  
**REGION 6 TASK ORDER NUMBER: 6624**

May 1, 2015

I. **Title**    **TCEQ RCRA File Review – CA800/CA900/CA999 GPRA Measures**

II. **Contract Officer Representatives**

**EPA Regional Project Officer**

FLORA GREENE  
M/S 6PD-M  
greene.flora@epa.gov  
Work: (214) 665-8428

**EPA Task Order Contract Officer Representative (TOCOR)**

RICK EHRHART  
M/S 6PD-C  
Ehrhart.richard@epa.gov  
Work: (214) 665-6765

**EPA co-Task Order Contract Officer Representative (co-TOCOR)**

Nick Stone  
M/S 6PD-O  
Stone.nick@epa.gov  
Work: (214) 665-7226

III. **Authorization**

This Performance Work Statement (PWS) is in accordance Task 1, Technical Review and Analysis/Assessment Reports of the REPA 5, Zone II Contract SOW.

IV. **Period of Performance**

The period of performance for this Task Order (TO) is from the date of Contracting Officer (CO) issuance through September 12, 2015.

V. **Place of Performance**

This task order will involve conducting a file review at the Texas Commission on Environmental Quality (TCEQ) HQs located at 12100 Park 35 Circle Austin, TX 78753.

VI. **Background**

CA800, CA900, and CA999 are tracked milestones and yearly commitments to EPA HQs. These codes are normally entered into RCRAInfo by EPA Region 6 States when the milestones are achieved. However, the Texas Commission on Environmental Quality (TCEQ) has a backlog of sites that could potentially be coded, but due to the high TCEQ workload, it would take considerable effort and time for their staff to complete without assistance.

Following is a description of those milestones and the information necessary to make those determinations.

**CA800 - Ready for Anticipated Use (RAU)**

The event by which the State or EPA makes an RAU determination and completes an RAU form. The form notes that the RCRA facility, or designated portion of the facility, has met all of the following Ready for Anticipated Use Criteria outlined in the Guidance for Documenting and Reporting RCRA Subtitle C Corrective Action Land Revitalization Indicators and Performance Measures” (RCRA-LRM Guidance) (see attached):

- 1) The facility or facility area has met the Human Exposures Environmental Indicator (CA725YE – Human Exposures Controlled), and the event has been entered into RCRAInfo;
- 2) Cleanup goals have been achieved for media that may affect current and reasonably anticipated future land uses of the facility so there are no unacceptable risks; and
- 3) All institutional or other controls, identified as part of a response action or remedy as required to help ensure long-term protection, are in place.

The RAU milestone is achieved when a piece of property can be safely used for an anticipated use and, depending upon the anticipated future use, may not require a facility-wide construction complete determination. For example, the surface of a property may be safely used at some facilities while groundwater contamination is still being addressed. RAUs for the entire facility must be linked to the "Entire Facility" area in RCRAInfo. Phased or partial RAUs are to be attached to specific areas of implementation and not to the "Entire Facility" area. The State or EPA must complete, sign and submit the RAU form to the file. The form indicates that each of the RAU criteria have been met, and whether the RAU determination is for specific areas or the entire facility. The date the State or EPA completed and signs the RAU form acknowledging, in writing, that the facility or facility area, has met the RAU criteria. STATUS CODES YE: Should be entered when the Ready for Anticipated Use is Yes. NO: Should be entered when the Ready for Anticipated Use is No. This status code applies if, for any reason, a previous RAU determination is no longer true (i.e., anticipated use of site could change or a human exposure determination could change).



### **CA900 Corrective Action Performance Standards Attained**

This event code indicates remedies selected for the protection of human health and the environment standard have been fully implemented and associated performance standards have been attained at the entire facility or specific areas within the facility. The date of the event is the date that the State or EPA issued its written acknowledgement that corrective action performance standards have been achieved.

The CA900 event should be entered when the facility has achieved the following criteria:

- 1) A full set of corrective measures has been defined;
- 2) The facility has completed construction and installation of all required remedial actions (as indicated by the entry of CA550);
- 3) Site-specific media cleanup objectives have been met; and
- 4) All that remains is performance of required operation and maintenance and monitoring actions, and/or compliance with and maintenance of any institutional controls at the entire facility or a specific area within the facility.

#### **CA900CR – Controls Required**

This status code should be entered when controls (institutional and/or engineering) are required.

#### **CA900NC – No Controls are Necessary**

This status code should be entered when no controls (institutional and/or engineering) are necessary.

### **CA999 Corrective Action Process Terminated**

This event indicates the completion of the corrective action process for the entire facility or for areas at the facility that active remedial measures (as specified in the RCRA permit or enforcement order) are completed, and that all obligations with respect to compliance with 40 CFR Part 264.101 or equivalent State requirements relating to known SWMUs or AOCs have been met.

The CA999 event should be entered when the facility has achieved the following criteria:

- 1) After the Certification of Remedy Completion or Construction Completion (CA550-CMI Completed), and/or
- 2) After a stabilization measure(s) has been completed in a manner that meets the stabilization objectives, goals, performance standards, and/or desired results (CA650), and terminating corrective action at this point at the facility or area would satisfy all permit or order requirements for corrective action. The event date is the date the sequence of events was completed.

#### **CA999NF – No Further Action**

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**TCEQ File Review – CA800/CA900/CA999 GPRA Measures**  
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This status code should be entered when the site characterization has demonstrated the attainment of the final RCRA corrective action goals have been met without any active remediation.

**CA999RM – Remedial Activities Completed**

This status code should be entered when active remediation or stabilization has been implemented and the facility has demonstrated the attainment of the final RCRA corrective action goals. No O&M or ICs/ECs are required.

**VII. Objective/Purpose**

The contractor will conduct a multi-facility file review at TCEQ HQs office located in Austin, TX to obtain information that will allow EPA or the State to update CA800, CA900 and CA999 event codes in the RCRAInfo database. The review will involve looking at TCEQ industrial hazardous waste (IHW) microfiche, electronic PDFs, and hard copy records, etc. for 106 facilities. All 106 facilities to be evaluated have achieved CA725 (Human Exposures Controlled), CA750 (Releases to Groundwater Controlled), CA400 (Remedy Decision) and CA550 (Remedy Constructed) performance measures.

Specifically, the contractor will review all available relevant information on known or reasonably suspected releases to soil, groundwater, surface soil, sediments, and air, subject to RCRA Corrective Action (*e.g.* from Solid Waste Management Units (SWMUs), Regulated Units (RU), and Areas of Concern (AOC), and will document site-wide CA800, CA900 and CA999 milestones using EPA provided checklists/forms.

**VIII. Assumptions and Constraints**

- There will be 1 scoping meeting;
- The contractor will make arrangements with TCEQ Central Records and the TCEQ Remediation group to pull necessary file review information;
- The contractor will make arrangements for copying necessary information to document milestone achievements;
- Work space at TCEQ will be provided in Central Records review space or other TCEQ work space;
- CA800, CA900, CA999 Guidance will be provided for reference; (see attachments)
- EPA will provide the checklist forms and memoranda for the contractor to complete during the file review, along with examples of completed forms; (see attachments)
- File review summary, checklists and other documentation will require 1 revision.

**IX. Scope**

**Task 01: Project Management**

The contractor shall prepare and solicit bids from sub-contractors and vendors, identify and make arrangements for project staff as required, and perform other general project management duties under this task. This task is not intended to include tasks that would be associated with the general cost of doing business.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor must identify and utilize personnel, subcontractors, and vendors with the requisite training, ability, and knowledge to perform the other tasks within this task order.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 1 will be the performance of staff, subcontractors and vendors to complete the other tasks within this task order.

**Task 02: Conduct File Review; Complete Checklists; Gather Necessary Documentation**

The contractor will conduct a facility file review at TCEQ HQs office located in Austin, TX to obtain information that will allow EPA or the State to update site-wide CA800, CA900 and CA999 event codes in the RCRAInfo database. The review will involve looking at TCEQ industrial hazardous waste (IHW) microfiche, electronic PDFs, hard copy records, etc., for 106 facilities.

For each facility, the contractor will review available relevant information on known or reasonably suspected releases to soil, groundwater, surface soil, sediments, and air subject to RCRA Corrective Action (*e.g.* from Solid Waste Management Units (SWMUs), Regulated Units (RU), and Areas of Concern (AOC), and will document through EPA-provided checklists/memoranda that:

- Corrective action performance standards have been attained and no controls are necessary (CA900NC)
- Corrective action performance standards have been attained and controls are required (CA900CR)
- Corrective action process has been terminated and no further action is necessary (CA999NF)
- Corrective action process has been terminated and remedial activities are complete (CA999RM)
- Corrective action is not terminated where there is ongoing groundwater pump and treat, facility needs an institutional control(s), the site is still under investigation, performance standards have not been achieved, etc.

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For the CA900 or CA999 milestones, only one will apply.

- Facility-wide Ready for Anticipated Reuse where the RCRA facility has met all of the Ready for Anticipated Use Criteria (CA800)

If criteria have not been met or insufficient documentation is available to make any of the above determinations, list the missing documentation.

Following is simplified review logic that can quickly eliminate certain facilities not eligible for coding.

1. Is there currently contamination in any media above the performance standards (TRRP standards) that requires cleanup?

If so, the site does not meet the criteria for CA900 or CA999; briefly document as not meeting the standards; *the site is considered finished for CA900/CA999 review purposes.*

Examples would be a pump and treat remedy with groundwater contamination above MCLs, or a SVE remedy that has not met the goals for soil cleanup.

Waste left in place in a regulator-approved closed unit or impoundment (subject to O&M and/or ICs/ECs without a release to the environment), would be eligible for a CA900.

2. Is this a site that was never contaminated above residential levels?

If so, complete the memorandum as “Corrective Action Process Terminated - No Further Action: i.e. the corrective action process for the entire facility has been completed; the active remedial measures as specified in the RCRA permit, enforcement order or other mechanism are completed for the entire facility (CA999NF)”.

Site would also be eligible for a site-wide RAU (CA800). Complete RAU form and Status and Type of Use Form.

3. Is this a site that was contaminated above residential levels and was cleaned up to residential levels with no institutional or engineering controls required?

If so, complete the memorandum as “Corrective Action Process Terminated – Remedial Activities Complete: i.e. the corrective action process for the entire facility has been completed; the active remedial measures as specified in the

**Performance Work Statement**  
**TCEQ File Review – CA800/CA900/CA999 GPRA Measures**  
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RCRA permit, enforcement order or other mechanism are completed for the entire facility(CA999RM)".

Note: The permit, order or other mechanism with corrective action requirements must be closed out or terminated for CA999RM to be coded.

Site would also be eligible for a site-wide RAU (CA800). Complete RAU form and Status and Type of Use Form.

4. Is this a site that was contaminated and cleaned up to standards but engineering or institutional controls were required at the site?

If so, complete the memorandum as "Corrective Action Performance Standards Attained – Controls Required: i.e. document that the controls are in place and properly filed (provide copies of ICs) and that all remedies selected for the protection of human health and the environment standard have been attained at the entire facility (CA900CR) ".

Site would be eligible for a site-wide RAU (CA800). Complete RAU form and Status and Type of Use Form.

5. Is this a site that was contaminated and cleaned up to standards with no engineering or institutional controls.

If so, complete the memorandum as ""Corrective Action Performance Standards Attained – No Controls are Necessary: i.e. remedies selected for the protection of human health and the environment standard have been fully implemented and associated performance standards have been attained at the entire facility (CA900NC)".

Site would be eligible for a site-wide RAU (CA800). Complete RAU form and Status and Type of Use Form.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The checklists/memoranda must be legible, clear, and contain all relevant data and documentation obtained during the project. The checklists/memoranda and all other documentation shall be type written, unless handwritten attachments are preapproved by the TOCOR.

**ACCEPTABLE LEVEL OF QUALITY:** A review of the facility records will allow the contractor to complete EPA-supplied checklists/memoranda with all necessary information to document these facilities as CA800, CA900, CA999, or not eligible.

**Task 03: Compile Checklists, Memorandums and Documentation, Develop Project Summary Table**

**Performance Work Statement**  
**TCEQ File Review – CA800/CA900/CA999 GPRA Measures**  
Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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The contractor shall prepare a short project summary table which identifies each facility reviewed and which of the GPRA measures (CA800, CA900, and CA999) were documented. The contractor shall put together a “documents package” that contains each checklist, memoranda, supporting documentation for each facility reviewed. Submit a draft version to the TOCOR in electronic format within 30 calendar days of completion of review activities. The TOCOR will review the draft summary table and documents package and will either approve as is or provide comments on the draft. The final summary table and document package shall be submitted to the TOCOR in electronic and hard copy format within 14 calendar days of receipt of the TOCOR’s approval of or comments on the draft report.

**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** The Report must be well organized, legible, clear, and contain all data and documentation obtained during the project. Other than copies of field log books, chain-of-custody, and laboratory provided reports, the report and all attachments shall be type written, unless handwritten attachments are preapproved by the TOCOR.

**ACCEPTABLE LEVEL OF QUALITY:** The source of measurements for Task 6 is conventions for standard written English (spelling, punctuation, usage, etc.) and technical writing. The report must conform to standard conventions and be professionally written.

**X. Performance Measures and Quality Assurance**

The contractor shall be adequately prepared before conducting the file review including, but not limited to, obtaining appropriate review staff with required training and knowledge of RCRA corrective action, reviewing and understanding EPA provided guidance documents.

The contractor shall be capable of coordinating and integrating all activities needed to provide the required support (e.g., problem identification/resolution strategy, responses to inquiries, and/or technical, service, administrative issues, etc.) in a timely, complete and effective manner. The contractor shall use quality assurance monitoring tools to ensure technical support and deliverables meet contract and task order requirements.

Deliverables shall meet the schedule and cost presented in the task order. Written deliverables shall reflect a good command of the English language, be well-organized, and free of grammatical errors, misspellings and incomplete sentences. As required, written deliverables shall also have high-quality professional graphics. Preparation and printing of materials shall be in accordance with GPO guidelines.

The contractor shall utilize staff with the appropriate level of education and work experience to meet the task order requirements. Specialized and/or expert staff must meet the minimum requirements as identified in the individual task orders. Contractor staff shall demonstrate a high level of professionalism.

**Performance Work Statement**  
**TCEQ File Review – CA800/CA900/CA999 GPRA Measures**  
Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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**XI. Technical Direction**

The TOCOR is authorized to provide technical direction, which clarifies the PWS. Technical direction must be within the scope of the contract and the TO. Technical direction is instruction to the contractor that approves approaches, solutions, designs, or refinements; fills in details; completes the general description of work or documentation items; shifts emphasis among work areas or tasks; or provides similar guidance. It includes evaluation of contractor performance and comments on deliverables.

The TOCOR shall issue technical direction in writing or confirm in writing within five (5) calendar days after verbal issuance. The TOCOR shall forward copies of the technical direction to the Contracting Officer (CO) and RTOCOR.

The CO is the only person authorized to make changes to the TO or contract. Any changes to the TO scope, period of performance or deliverable due dates must be approved by the CO in writing.

**XII. Schedule of Deliverables**

The duplication of more than 5,000 copies of a single page or 25,000 or more total impressions is considered "printing" and, therefore, prohibited. For more information on restrictions relating to deliverables, the Contractor is referred to the EPA Publication Management Guide (EPA-175-K-92-011).

**SUMMARY OF DELIVERABLES AND DUE DATES**

<b>Deliverables</b>	<b>Task No.</b>	<b>No. of Copies</b>	<b>Due Date</b>
Conduct File Review	Task 2	-	To be scheduled
Draft Summary Table & Documents Package	Task 3	1 Electronic copy	30 days after completion of file review at TCEQ
Final Summary Table & Documents Package	Task 3	1 Electronic copy & Hard copy	14 days after receiving comments from EPA on draft

\*Notes:

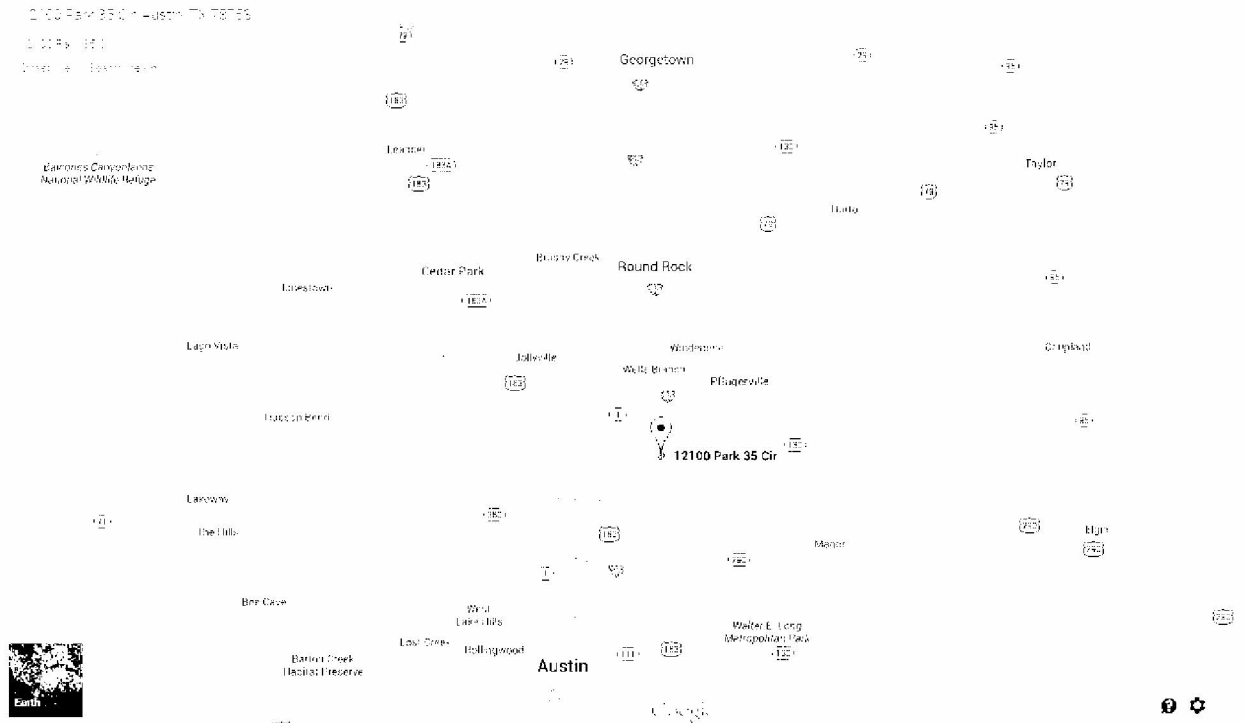
Draft and Final electronic copies should be in word and pdf format.  
All days are calendar days unless otherwise specified. (All hard copy reports should be double sided.)

**Performance Work Statement**  
**TCEQ File Review – CA800/CA900/CA999 GPRA Measures**  
**Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202**

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**Figure 1**

**TCEQ HQs**  
**12100 Park 35 Circle**  
**Austin, TX 78753**





## **Attachments**

### File Review Facility List

### EPA Guidance Documents

The New Corrective Action Measure “Performance Standards Attained” – How it is Counted & How to Use the RCRAInfo Event Codes

Guidance for Documenting and Reporting RCRA Subtitle C Corrective Action Land Revitalization Indicators and Performance Measures, February 21, 2007

### EPA Checklists / Forms / Memoranda w/ Example Documents

1. RCRA Land Revitalization Indicators Status of Use & Type of Use Checklist, 2015  
Sample Forms  
Motiva LR Indicators Form  
Syngenta LR Indicators Form
2. IC/EC Checklist, 2015
3. RCRA Ready for Anticipated Use (RAU) Documentation Form, 2015  
Sample Forms  
Galata RAU Form  
Marathon RAU Form
4. Documentation of Achievement of GPRA Facility-wide Corrective Action Complete (CA900/CA999), 2015  
Sample Forms  
AK Steel Memorandum for CA complete (CA999RM)  
Alpha Omega Recycling Memorandum for CA Complete (CA999NF)  
Baylor Memorandum for CA Complete (CA999NF)  
Heritage Memorandum for CA Complete (CA999RM)  
Gulf Coast Memorandum for CA complete (CA900CR)

EP-W-031 TASK ORDER 6624 MODIFICATIONS SUMMARY (CLOSED)

Mod #	Reason For Modification	Status	Award Date	Obligation
BASE		Released	8/12/2015	\$107,272.96
004	Supplemental Agreement for work within scope	Released	2/8/2016	\$0.00
003	Supplemental Agreement for work within scope	Released	12/2/2015	\$0.00
002	Other Administrative Action	Released	9/30/2015	(\$103.86)
001	Supplemental Agreement for work within scope	Released	9/9/2015	\$0.00

Total Amount without Options	Total Amount
\$107,272.96	\$107,272.96
\$0.00	\$0.00
\$0.00	\$0.00
(\$103.86)	(\$103.86)
\$0.00	\$0.00

# ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1 6

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 08/18/2015		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO: a. NAME OF CONSIGNEE Region 6	
3. ORDER NO. 6625		4. REQUISITION/REFERENCE NO. PR-OSWER-15-00374			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency 1445 Ross Avenue Suite 1200	
7. TO (b)(4)				c. CITY Dallas	e. ZIP CODE 75202-2733
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				d. STATE TX	
b. COMPANY NAME				8. TYPE OF ORDER <input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				REFERENCE YOUR:  Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838	Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE	

11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB				12. F.O.B. POINT Destination	
13. PLACE OF a. INSPECTION b. ACCEPTANCE		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
16. DISCOUNT TERMS					

## 17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 006928857 Alexandria/Pineville, LA Community Focus Project  This Time-and-Materials Task Order is hereby initiated approving the contractor's Continued ...					
SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:				\$11,788.79	
	a. NAME	RTP Finance Center				
	b. STREET ADDRESS (or P.O. Box)	US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive				\$11,788.79
c. CITY	d. STATE	e. ZIP CODE				
	Durham	NC	27711		17(i) GRAND TOTAL	

22. UNITED STATES OF  
AMERICA BY (Signature)

08/18/2015

ELECTRONIC  
SIGNATURE

23. NAME (Typed)  
Margie Weathers  
TITLE: CONTRACTING/ORDERING OFFICER

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO  
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 08/18/2015	CONTRACT NO. EP-W-12-031	ORDER NO. 6625
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0003	<p>proposal dated August 3, 2015 in the amount of \$11,788.79. Funding in the amount of \$11,788.79 is provided, which the contractor is not authorized to exceed. This task order is fully funded. All other terms and conditions of the parent contract remain unchanged and in full force and effect.</p> <p>TOCOR: NFAGAN Max Expire Date: 09/12/2017</p> <p>Admin Office: SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460</p> <p>Period of Performance: 08/18/2015 to 09/12/2015</p> <p>Task Order 6625 Ceiling &amp; Funding for OPII</p> <p>Accounting Info: 15-16-B-31P-302DA1-2585-1531PDP018-001 BFY: 15 EFY: 16 Fund: B Budget Org: 31P Program (PRC): 302DA1 Budget (BOC): 2585 DCN - Line ID: 1531PDP018-001 Funding Flag: Partial Funded: \$11,788.79 Alternate TOCOR for Task Order 6625 is Diana Greiner, 214 665-6492.</p> <p>The obligated amount of award: \$11,788.79. The total for this award is shown in box 17(i).</p>				11,788.79	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$11,788.79

**Performance Work Statement  
Alexandria/Pineville Community Focus Project Meeting Facilitation**

Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202

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CONTRACT NUMBER: \_\_\_\_\_  
CONTRACT NAME: REPA 5  
CONTRACTOR NAME: \_\_\_\_\_  
**REGION 6 TASK ORDER NUMBER: 6625**

July 9, 2015

I. **Title**     **Alexandria/Pineville Community Focus Project: “Making a Visible Difference” Meeting Facilitation**

II.     **Contract Officer Representatives**

**EPA Regional Project Officer**

FLORA GREENE  
M/S 6PD-M  
greene.flora@epa.gov  
Work: (214) 665-8428

**EPA Task Order Contract Officer Representative (TOCOR)**

NANCY FAGAN  
M/S 6PD-O  
Fagan.nancy@epa.gov  
Work: (214) 665-8385

**EPA Task Order Contract Officer Representative (TOCOR)**

DIANA GREINER  
M/S 6PD-C  
Greiner.dianal@epa.gov  
Work: (214) 665-6492

III.     **Authorization**

This Performance Work Statement (PWS) is in accordance with Task 5.2 Public Involvement and Outreach Activities, of the REPA 5, Zone II Contract SOW.

IV.     **Period of Performance**

The period of performance for this Task Order (TO) is from the date of Contracting Officer (CO) issuance through September 12, 2015.

V.     **Place of Performance**

**Performance Work Statement  
Alexandria/Pineville Community Focus Project Meeting Facilitation**

Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202

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This task order will include the facilitation of ONE (1) meetings in Alexandria, LA.

VI.

**Historical Background:**

With the help of local citizens, the EPA and LDEQ have identified an area within the Alexandria and Pineville, LA communities that encompass two active creosoting sites specified under the RCRA program, two federal Superfund sites (Ruston Foundry and Louisiana Pine Products), a state Superfund site (Oilfield Scrap), and a metal recycling facility known as Alexandria Iron. All sites are located in a 1 ½ -mile radius and are within residential areas that support nine (9) local schools. The Superfund Fact Sheet for the Ruston Foundry (located at 1010 Bogan Street and deleted from the NPL) reports more than 9000 residents within the area, and 64,000 within four miles. The first Community Listening session was held December 2, 2014 organized by a community member, Ms. Agnes Francisco, with General Russel Honore' of the Green Army in attendance as well as Dr. Wilma Subra with Louisiana Environmental Action Network (LEAN). A follow-up community meeting was held February 5, 2015 and over 100 citizens were in attendance. To optimize the social and economic benefits as well as address multiple environmental issues for this community, the EPA and LDEQ are working on a collaborative approach for sustainable solutions. Contaminants of concern (COCs) for both creosote sites are polycyclic aromatic hydrocarbons (pahs) that may be released to the air, surface water drainage and groundwater. Both Superfund sites have been remediated, but in the past listed metals as contaminants of concern (COCs), including lead, antimony, chromium, copper, and arsenic. Chatlin Lake Canal borders the Oilfield Scrap site and is undergoing a city drainage improvement project and citizens have raised concerns about the re-use of soil in the neighborhood. In addition to the 9 local schools, the citizens report that there are two special needs facilities in the neighborhood as well, the Pecan Grove Training Center (for developmentally disabled) and the LaFargue School for special education, and one daycare facility (Young's Temple Child Care Center). As part of the collaborative effort, the vulnerable populations in the community will be identified.

VII. **Objective/Purpose**

The purpose of this PWS is to provide logistics support for one public meeting sponsored by the EPA Region 6. We expect that as many as 100 persons may attend. The logistical support includes confirming meeting space, providing audio/visual support for presentations, making handouts/flyers, and contacting social media for advertising the meeting date/time to the community.

VIII. **Assumptions and Constraints**

- The meeting will be held in Alexandria, LA;
- The EPA will plan the meeting and prepare the agenda;
- Assume that this meeting will last one (1) full day.

IX. **Scope**

**Task 01: Project Management**

The contractor shall prepare and solicit bids from sub-contractors and vendors, identify and make arrangements for project staff as required, and perform other general project management duties under this

**Performance Work Statement**  
**Alexandria/Pineville Community Focus Project Meeting Facilitation**

Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202

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task. This task is *not* intended to include tasks that would be associated with the general cost of doing business. A TO kickoff meeting shall be held after the TO is awarded. A scoping meeting with the EPA may also be held prior to the facilitated meeting.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor must identify and utilize personnel, subcontractors, and vendors with the requisite training, ability, and knowledge to perform the other tasks within this task order.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 1 will be the performance of staff, subcontractors and vendors to complete the other tasks within this task order.

**Task 02: Meeting Facilitation**

The contractor shall provide a facilitator(s) for one public meeting. The facilitator(s) will serve as a neutral, third party to help guide the meeting attendees through an agenda that will be developed by the EPA or other local stakeholders. In addition, the facilitator will have the following roles and responsibilities:

- Establish ground rules and norms at the beginning of the meeting
- Run through the objectives and agenda
- Keep the meeting on schedule and on topic based on the agenda
- Manage the process of the meeting and group dynamics
- Keep a log of parking lot issues and action items
- Keep notes on meeting discussions
- Keep a list of Action Items and the responsible parties for each Action Item for future follow-up exercises.
- Make a list of meeting attendees
- Prepare type written meeting notes including attendee list.
- Prepare, distribute and collect evaluation forms from at least 50% of the attendees.

**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** The facilitator(s) shall maintain a neutral stance and have experience and training in meeting facilitation.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 2 will be a favorable evaluation from at least 65% of the attendees.

**Task 03: Meeting Logistics Support**

The contractor shall provide meeting logistic support such as:

- confirming meeting space and time
- confirming or providing audio/visual support for presentations including laptop, projector, etc
- confirming or providing 2 easels for posters
- preparing posters (content, TBD)
- making on-site name badges for all participants
- preparing handouts/flyers for advertising and participants, and
- using social media for advertising the meeting date/time to the community.



**Performance Work Statement  
Alexandria/Pineville Community Focus Project Meeting Facilitation**

Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202

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**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** The contractor shall make sure meetings logistics are addressed so that stakeholders who participate have a clear understanding of the meeting arrangements, have reasonable accommodations at the meeting that assure that the speaker and presentation is heard and seen, and that each participant is identified and provided all of the applicable materials.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 3 will be the evaluation response from stakeholders that meetings logistics were provided in a professional manner and were clear and easy to follow.

**X. Performance Measures and Quality Assurance**

Deliverables shall meet the schedule and cost presented in the task order. Written deliverables shall reflect a good command of the English language, be well-organized, and free of grammatical errors, misspellings and incomplete sentences. As required, written deliverables shall also have high-quality professional graphics. Preparation and printing of materials shall be in accordance with GPO guidelines.

The contractor shall utilize staff with the appropriate level of education and work experience to meet the task order requirements. Contractor staff shall demonstrate a high level of professionalism.

**XI. Technical Direction**

Technical direction is instruction to the contractor that approves approaches, solutions, designs, or refinements; fills in details; completes the general description of work or documentation items; shifts emphasis among work areas or tasks; or provides similar guidance. It also includes evaluation of contractor performance and comments on deliverables. The TOCOR does not have the authority to issue technical direction which: requires additional work outside the scope, constitutes a change, causes an increase or decrease in the estimated cost, alters the period of performance, or changes any of the other terms or conditions of the contract or TO.

The CO is the only person authorized to make changes to the TO or contract. Any changes to the TO scope, period of performance or deliverable due dates must be approved by the CO in writing.

**XII. Schedule of Deliverables**

The duplication of more than 5,000 copies of a single page or 25,000 or more total impressions is considered "printing" and, therefore, prohibited. For more information on restrictions relating to deliverables, the Contractor is referred to the EPA Publication Management Guide (EPA-175-K-92-011).

**SUMMARY OF DELIVERABLES AND DUE DATES**

<b><u>DELIVERABLES</u></b>	<b><u>TASK NO.</u></b>	<b><u>NO. OF COPIES*</u></b>	<b><u>DUE DATE*</u></b>
----------------------------	------------------------	----------------------------------	-------------------------

**Performance Work Statement**  
**Alexandria/Pineville Community Focus Project Meeting Facilitation**

Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202

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Meeting Notes, Attendees List and Action Item List	Task 2	Electronic	Submit meeting notes including attendees list and Action Item List within 30 days of the meeting.
Posters, Name Badge supplies and handouts/flyers	Task 3	Actual	Posters and handouts/flyers should be available for review at least 10 days before the meeting. Name Badge supplies will be brought to the meeting

EP-W-12-031-TASK ORDER 6625 MOD SUMMARY

Mod #	Reason For Modification	Award Date	Obligation	Total Amount
BASE		8/18/2015	\$11,788.79	\$11,788.79
002	Close Out	8/1/2016	(\$2,214.52)	(\$2,214.52)
001	Other Administrative Action	10/6/2015	\$0.00	\$0.00
				<b>\$9,574.27</b>

# ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 10/21/2015		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO: a. NAME OF CONSIGNEE Region 6	
3. ORDER NO. 6627		4. REQUISITION/REFERENCE NO. PR-OSWER-15-00374			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency 1445 Ross Avenue Suite 1200	
7. TO: (b)(4)				c. CITY Dallas	e. ZIP CODE 75202-2733
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				d. STATE TX	
b. COMPANY NAME				8. TYPE OF ORDER <input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				REFERENCE YOUR:  Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838	Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE	

11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB				12. F.O.B. POINT Destination	
13. PLACE OF a. INSPECTION Destination		b. ACCEPTANCE Destination		14. GOVERNMENT B/L NO.	
				15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
				16. DISCOUNT TERMS	

## 17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 006928857 Task Order 6627 Alexandria/Pineville Community Focus Project Meeting Facilitation  This Time and Material Task Order is hereby initiated approving the contractor's Continued ...					
18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
21. MAIL INVOICE TO:						
a. NAME RTP Finance Center		b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive				17(i) GRAND TOTAL
c. CITY Durham		d. STATE NC	e. ZIP CODE 27711			
SEE BILLING INSTRUCTIONS ON REVERSE						

22. UNITED STATES OF

AMERICA BY (Signature)

10/21/2015

*Derek Davis*

ELECTRONIC  
SIGNATURE

23. NAME (Typed)

Derek Davis

TITLE: CONTRACTING/ORDERING OFFICER

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO  
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 10/21/2015	CONTRACT NO. EP-W-12-031	ORDER NO. 6627
-----------------------------	-----------------------------	-------------------

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0004	<p>proposal dated September 29, 2015 in the amount of \$26,506.48. Funding in the amount of \$18,211.21 is provided which the contractor is not authorized to exceed.</p> <p>All other terms and conditions remain unchanged and in full force and effect. TOCOR: Flora Greene Admin Office: SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460 Period of Performance: 10/21/2015 to 06/30/2016</p> <p>Alexandria/Pineville Community Focus Project Meeting Facilitation</p> <p>Accounting Info: 15-16-B-31P-302DA1-2585-1531PDP018-001 BFY: 15 EFY: 16 Fund: B Budget Org: 31P Program (PRC): 302DA1 Budget (BOC): 2585 DCN - Line ID: 1531PDP018-001 Funding Flag: Complete Funded: \$18,211.21</p>					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

**Performance Work Statement  
Alexandria/Pineville Community Focus Project Meeting Facilitation**

Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202

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CONTRACT NUMBER: \_\_\_\_\_  
CONTRACT NAME: REPA 5  
CONTRACTOR NAME: \_\_\_\_\_  
**REGION 6 TASK ORDER NUMBER: 6627**

~~August 30, 2015~~ January 12, 2016

I. **Title**     **Alexandria/Pineville Community Focus Project Meeting Facilitation**

II. **Contract Officer Representatives**

**EPA Regional Project Officer**

FLORA GREENE  
M/S 6PD-M  
greene.flora@epa.gov  
Work: (214) 665-8428

**EPA Task Order Contract Officer Representative (TOCOR)**

NANCY FAGAN  
M/S 6PD-O  
Fagan.nancy@epa.gov  
Work: (214) 665-8385

**EPA Task Order Contract Officer Representative (TOCOR)**

DIANA GREINER  
M/S 6PD-C  
Greiner.dianal@epa.gov  
Work: (214) 665-6492

III. **Authorization**

This Performance Work Statement (PWS) is in accordance with Task 5.2 Public Involvement and Outreach Activities, of the REPA 5, Zone II Contract SOW.

IV. **Period of Performance**

The period of performance for this Task Order (TO) is from the date of Contracting Officer (CO) issuance through June 30, 2016.

V. **Place of Performance**

This task order will include the facilitation of up to TWO (2) meetings in Alexandria, Louisiana.

**Performance Work Statement  
Alexandria/Pineville Community Focus Project Meeting Facilitation**

Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202

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VI.

**Historical Background:**

With the help of local citizens, the EPA and LDEQ have identified an area within the Alexandria and Pineville, LA communities that encompass two active creosoting sites specified under the RCRA program, two federal Superfund sites (Ruston Foundry and Louisiana Pine Products), a state Superfund site (Oilfield Scrap), and a metal recycling facility known as Alexandria Iron. All sites are located in a 1 ½ -mile radius and are within residential areas that support nine (9) local schools. The Superfund Fact Sheet for the Ruston Foundry (located at 1010 Bogan Street and deleted from the NPL) reports more than 9000 residents within the area, and 64,000 within four miles. The first Community Listening session was held December 2, 2014 organized by a community member, Ms. Agnes Francisco, with General Russel Honore' of the Green Army in attendance as well as Dr. Wilma Subra with Louisiana Environmental Action Network (LEAN). A follow-up community meeting was held February 5, 2015 and over 100 citizens were in attendance. To optimize the social and economic benefits as well as address multiple environmental issues for this community, the EPA and LDEQ are working on a collaborative approach for sustainable solutions. Contaminants of concern (COCs) for both creosote sites are polycyclic aromatic hydrocarbons (pahs) that may be released to the air, surface water drainage and groundwater. Both Superfund sites have been remediated, but in the past listed metals as contaminants of concern (COCs), including lead, antimony, chromium, copper, and arsenic. Chatlin Lake Canal borders the Oilfield Scrap site and is undergoing a city drainage improvement project and citizens have raised concerns about the re-use of soil in the neighborhood. In addition to the 9 local schools, the citizens report that there are two special needs facilities in the neighborhood as well, the Pecan Grove Training Center (for developmentally disabled) and the LaFargue School for special education, and one daycare facility (Young's Temple Child Care Center). As part of the collaborative effort, the vulnerable populations in the community will be identified.

VII. **Objective/Purpose**

The purpose of this PWS is to provide logistics support for up to two public meetings—one, one day meeting and one, two - day meeting sponsored by the EPA Region 6. We expect that as many as 100 persons may attend. The logistical support includes confirming meeting space, providing audio/visual support for presentations, making handouts/flyers, and taking photographs and organizing the photos into a transportable format that is easy to share, and also providing support for one tour of the MVD sites.

VIII. **Assumptions and Constraints**

- The meetings will be held in Alexandria, LA;
- The EPA will plan the meetings and prepare the agenda;
- Assume these meetings will last two (2) full days, including the tour.
- Assume minimal fees for use of facility in the immediate community
- Assume custodial fees for up to 3 hours
- Assume security fees for up to 4 hours

IX. **Scope**

**Task 01: Project Management**

**Performance Work Statement**  
**Alexandria/Pineville Community Focus Project Meeting Facilitation**

Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202

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The contractor shall prepare and solicit bids from sub-contractors and vendors, identify and make arrangements for project staff as required, and perform other general project management duties under this task. This task is *not* intended to include tasks that would be associated with the general cost of doing business. A TO kickoff meeting shall be held after the TO is awarded. A clarification/scoping meeting with the EPA may also be held prior to the facilitated meeting.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor must identify and utilize personnel, subcontractors, and vendors with the requisite training, ability, and knowledge to perform the other tasks within this task order.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 1 will be the satisfactory completion of tasks by staff, subcontractors and vendors within this task order.

**Task 02: Meeting Facilitation**

The contractor shall provide a facilitator(s) for these meetings. The facilitator(s) will serve as a neutral, third party to help guide the meeting attendees through an agenda that will be developed by the EPA or other local stakeholders. In addition, the facilitator will have the following roles and responsibilities:

- Establish ground rules and norms at the beginning of the meeting
- Run through the objectives and agenda
- Keep the meeting on schedule and on topic based on the agenda
- Manage the process of the meeting and group dynamics
- Keep a log of parking lot issues and action items
- Keep notes on meeting discussions
- Keep a list of Action Items and the responsible parties for each Action Item for future follow-up exercises.
- Make a list of meeting attendees
- Prepare type written meeting notes including attendee list.
- Prepare, distribute and collect evaluation forms from at least 50% of the attendees
- Take photographs during the meeting and organize the photos.

**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** The facilitator(s) shall maintain a neutral stance and have experience and training in meeting facilitation.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 2 will be a favorable evaluation from at least 65% of the attendees.

**Task 03: Meeting Logistics Support**

The contractor shall provide meeting logistic support such as:

- confirming meeting space and time
- confirming or providing audio/visual support for presentations including laptop, projector, etc
- confirming or providing easels for posters



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- preparing posters (content, TBD)
- shipping framed posters from EPA
- making on-site name badges for all participants
- preparing handouts/flyers for advertising and participants
- providing logistics support for one tour of our MVD 'sites' for a select group of our meeting participants; including rentals for 2 large vans and a bullhorn for the EPA tour guide.

**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** The contractor shall make sure meetings logistics are addressed so that stakeholders who participate have a clear understanding of the meeting arrangements, have reasonable accommodations at the meeting that assure that the speaker and presentation are heard and seen, and that each participant is identified and provided all of the applicable materials.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 3 will be the evaluation response from stakeholders that meetings logistics were provided in a professional manner and were clear and easy to follow.

**X. Performance Measures and Quality Assurance**

Deliverables shall meet the schedule and cost presented in the task order. Written deliverables shall reflect a good command of the English language, be well-organized, and free of grammatical errors, misspellings and incomplete sentences. As required, written deliverables shall also have high-quality professional graphics. Preparation and printing of materials shall be in accordance with GPO guidelines.

The contractor shall utilize staff with the appropriate level of education and work experience to meet the task order requirements. Contractor staff shall demonstrate a high level of professionalism.

**XI. Technical Direction**

Technical direction is instruction to the contractor that approves approaches, solutions, designs, or refinements; fills in details; completes the general description of work or documentation items; shifts emphasis among work areas or tasks; or provides similar guidance. It also includes evaluation of contractor performance and comments on deliverables. The TOCOR does not have the authority to issue technical direction which: requires additional work outside the scope, constitutes a change, causes an increase or decrease in the estimated cost, alters the period of performance, or changes any of the other terms or conditions of the contract or TO.

The CO is the only person authorized to make changes to the TO or contract. Any changes to the TO scope, period of performance or deliverable due dates must be approved by the CO in writing.

**XII. Schedule of Deliverables**

The duplication of more than 5,000 copies of a single page or 25,000 or more total impressions is considered "printing" and, therefore, prohibited. For more information on restrictions relating to deliverables, the Contractor is referred to the EPA Publication Management Guide (EPA-175-K-92-011).

**Performance Work Statement  
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**SUMMARY OF DELIVERABLES AND DUE DATES**

<b><u>DELIVERABLES</u></b>	<b><u>TASK NO.</u></b>	<b><u>NO. OF COPIES*</u></b>	<b><u>DUE DATE*</u></b>
Meeting Notes, Attendees List and Action Item List	Task 2	Electronic	Submit meeting notes including attendees list and Action Item List within 30 days of the meeting.
Posters, Name Badge supplies and handouts/flyers	Task 3	Actual	Posters and handouts/flyers should be available for review at least 10 days before the meeting. Name Badge supplies will be brought to the meeting

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES	
				1 2	
2. AMENDMENT/MODIFICATION NO. 001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. PR-R6-15-00404	
5. PROJECT NO. (If applicable)		6. ISSUED BY CODE SRRPOD		7. ADMINISTERED BY (If other than Item 6) CODE	
SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460					
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(x)		9A. AMENDMENT OF SOLICITATION NO.	
BOOZ ALLEN HAMILTON INC. Attn: (b)(4) 8283 GREENSBORO DRIVE MCLEAN VA 221023838				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-12-031 6627	
				10B. DATED (SEE ITEM 13) 10/21/2015	
CODE 006928857		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Increase: \$8,295.27  
See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) B.1 Task Order Funding

**E. IMPORTANT:** Contractor ☒ is not, ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

DUNS Number: 006928857

Task Order 6627 Alexandria/Pineville Community Focus Project Meeting Facilitation

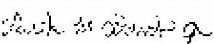
TOCOR: Flora Greene

The purpose of this modification is to add incremental funding in the amount of \$8,295.27 to Task Order 6627. The task order ceiling remains unchanged at \$26,506.48. The obligated task order ceiling is increased from \$18,211.21 to \$26,506.48, which the contractor is not authorized to exceed.

**LIST OF CHANGES:**

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Derek Davis	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 11/20/2015

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

EP-W-12-031/6627/001

PAGE OF

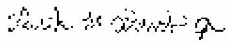
2

2

NAME OF OFFEROR OR CONTRACTOR

BOOZ ALLEN HAMILTON INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Obligated Amount for this Modification: \$8,295.27 New Total Obligated Amount for this Award: \$26,506.48 Incremental Funded Amount changed: from \$18,211.21 to \$26,506.48</p> <p>CHANGES FOR LINE ITEM NUMBER: 4 Obligated Amount for this modification: \$8,295.27 Incremental Funded Amount changed from \$18,211.21 to \$26,506.48</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 15-16-B-06J-303D99-2505-1506JFR003-001 Beginning FiscalYear 15 Ending Fiscal Year 16 Fund (Appropriation) B Budget Organization 06J Program (PRC) 303D99 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1506JFR003-001 Quantity: 0 Amount: \$8,295.27 Percent: 0 Subject To Funding: N Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 FOB: Destination Period of Performance: 10/21/2015 to 06/30/2016</p>				

ORDER FOR SUPPLIES OR SERVICES						PAGE OF PAGES		
						1	2	
<b>IMPORTANT:</b> Mark all packages and papers with contract and/or order numbers.								
1. DATE OF ORDER 09/26/2016		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO:				
3. ORDER NO. 6632		4. REQUISITION/REFERENCE NO. See Schedule		a. NAME OF CONSIGNEE  Region 6				
5. ISSUING OFFICE (Address correspondence to) SRRPOD  US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency 1445 Ross Avenue Suite 1200				
				c. CITY Dallas		d. STATE TX	e. ZIP CODE 75202-2733	
7. TO (b)(4)				f. SHIP VIA				
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				8. TYPE OF ORDER				
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE REFERENCE YOUR:		<input checked="" type="checkbox"/> b. DELIVERY  Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.		
c. STREET ADDRESS 8283 GREENSBORO DRIVE				Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.				
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838					
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE				
11. BUSINESS CLASSIFICATION (Check appropriate box(es))						12. F.O.B. POINT		
<input type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone  <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB								
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)		16. DISCOUNT TERMS		
a. INSPECTION Destination	b. ACCEPTANCE Destination							
<b>17. SCHEDULE (See reverse for Rejections)</b>								
ITEM NO. (a)	SUPPLIES OR SERVICES (b)			QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 006928857 Task Order 6632: Sampling and Analysis Support: Oilfield Scrap and Equipment, Alexandria, LA  This Time and Material Task Order is hereby Continued ...							
SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.			
	21. MAIL INVOICE TO:							
	a. NAME		RTP Finance Center				\$27,983.37	
	b. STREET ADDRESS (or P.O. Box)		US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive				\$27,983.37	
	c. CITY		d. STATE	e. ZIP CODE				
Durham		NC	27711					
22. UNITED STATES OF AMERICA BY (Signature)				09/26/2016		23. NAME (Typed)		
						Derek Davis		
				ELECTRONIC SIGNATURE		TITLE: CONTRACTING/ORDERING OFFICER		

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO  
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 09/26/2016	CONTRACT NO. EP-W-12-031	ORDER NO. 6632
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>initiated approving the contractor's proposal dated September 9, 2016 in the amount of \$27,983.37. Funding in the amount of \$27,983.37 is provided which the contractor is not authorized to exceed. All other terms and conditions remain unchanged and in full force and effect. TOCOR: Flora Greene Max Expire Date: 09/12/2017 Admin Office: SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460 Period of Performance: 09/26/2016 to 09/12/2017</p> <p>Sampling and Analysis Support: Oilfield Scrap and Equipment, Alexandria, LA Requisition No: PR-R6-16-00035, PR-R6-16-00400</p> <p>Accounting Info: 16-17-B-06J-303D99-2505-1606JFR200-001 BFY: 16 EFY: 17 Fund: B Budget Org: 06J Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1606JFR200-001 Funding Flag: Partial Funded: \$12,095.90 Accounting Info: 16-17-B-06J-303D99-2505-1606JCR201-001 BFY: 16 EFY: 17 Fund: B Budget Org: 06J Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1606JCR201-001 Funding Flag: Partial Funded: \$15,887.47</p>				27,983.37	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$27,983.37

**Performance Work Statement**  
**Sampling and Analysis Support at the Oilfield Scrap and Equipment Facility, Alexandria, LA**  
Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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CONTRACT NUMBER: EP-W-12-03\_  
CONTRACT NAME: REPA 5  
CONTRACTOR NAME: \_\_\_\_\_  
**REGION 6 TASK ORDER NUMBER: 6632**

August 29, 2016

- **Title**    **Sampling and Analysis Support : Oilfield Scrap and Equipment, Alexandria, LA**

- **Contract Officer Representatives**

**EPA Regional Project Officer**

FLORA GREENE  
M/S 6PD-M  
greene.flora@epa.gov  
Work: (214) 665-8428

**EPA Task Order Contract Officer Representative (TOCOR and Co-TOCOR)**

Gary Miller  
M/S 6MM-RC  
Miller.gary@epa.gov  
Work: (214) 665-8306

Nancy Fagan  
M/S 6MM-RP  
fagan.nancy@epa.gov  
Work: (214) 665-8385

- **Authorization**

This Performance Work Statement (PWS) is in accordance with Task 2.2 Field Sampling, of the REPA 5, Zone II Contract SOW.

- **Period of Performance**

The period of performance for this Task Order (TO) is from the date of Contracting Officer (CO) issuance through September 12, 2017.

- **Place of Performance**

This task order will involve sampling and analysis support at the former Oilfield Scrap and Equipment Company, Alexandria, LA.

- **Background**

The facility is a LDEQ-lead inactive site located at 704 Willow Glen River Road, Alexandria, LA and the approximate facility boundary is shown in Figure 1. Figures 2, 3 and 4 show additional details about the site and the general location of the pile to be sampled. The site has a viable owner who is cooperative and has expressed that he will allow access. A portion of the Chatlin Lake canal adjacent to Oilfield Scrap has undergone a city drainage improvement project and citizens have raised concerns about past placement of soil from the canal to a nearby church. The contaminants of concern are chromium, copper, lead, arsenic and polychlorinated biphenyls (PCBs). Four areas of contaminated soils with

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elevated levels of metals were described in a LDEQ-approved corrective action plan dated April 2013. Parts of these piles may have been moved and located where the additional soil from the canal project was placed. The EPA understands that this material is what makes up the soil pile under the tarp material, along with some brush debris from clearing the area.

- **Objective/Purpose**

EPA Region 6 RCRA is primarily working with our states on GPRA 2020 corrective action sites that are stalled in the corrective action process. However, non-GPRA sites also constitute a significant part of states corrective action workload and may contribute to risks in communities and the environment. This site is located in a community that is part of the EPA Region 6 "Making a Visible Difference" initiative from Administrator Gina McCarthy.

The EPA is requesting sample collection from the soil pile at the Oilfield Scrap site. The large soil pile is located on the southwest side of the metal warehouse near the canal (see Figure 3). Soil samples need to be collected from the pile and analyzed for total metals, TCLP RCRA 8 metals and PCBs to confirm the non-hazardous waste determination, and provide information for soil re-use. Geotechnical sampling data (clay content and plasticity) is also needed to determine the soil properties for potential re-use as capping material.

- **Assumptions and Constraints**

- There will be 1 scoping meeting;
- The EPA will attain a property access agreement with the property owner;
- QAPP and Trip Report is allowed 1 revision, if needed;
- A contract lab will analyze the samples;
- A Level 3 type data package will be required;
- The contractor will be responsible for determining the necessity of and performing utility clearances prior to site activities;
- Analytical results are not required to be validated by an external 3<sup>rd</sup> party data validator;
- Once analytical results are in and soil classifications completed, there will be a conference call with EPA to discuss the viability for conducting Task 5
- Samples will be collected around the perimeter of the soil pile at the surface of the pile. The sampling locations will be randomly selected. No samples will be collected by climbing on the pile.

- **Scope**

**Task 01: Project Management**

The contractor shall prepare and solicit bids from sub-contractors and vendors, identify and make arrangements for project staff as required, and perform other general project management duties under this task. This task is *not* intended to include tasks that would be associated with the general cost of doing business.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor must identify and utilize personnel, subcontractors, and vendors with the requisite training, ability, and knowledge to perform the



**Performance Work Statement**  
**Sampling and Analysis Support at the Oilfield Scrap and Equipment Facility, Alexandria, LA**  
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other tasks within this task order. This performance shall be tailored to the needs of and be consistent with the needs of the Region 6 RCRA program and REPA V contract. This support shall also meet or exceed professional industry standards.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 1 will be customer input regarding the performance of staff, subcontractors and vendors.

**Task 02: Preparation of Combined Quality Assurance Project Plan (QAPP) and Field Sampling and Analysis Plan and Health and Safety Plan**

The contractor shall prepare a site-specific combined Quality Assurance Project Plan (QAPP) and Field Sampling and Analysis Plan following the Uniform Federal Policy (UFP) for implementing Environmental Quality Systems for this project. The UFP-QAPP will address all tasks in this Task Order. The contractor shall prepare the UFP-QAPP to present the overall project description, project organization, responsibilities, and objectives associated with the sampling and analysis to be conducted. The UFP-QAPP shall comply with all quality assurance requirements, and one scoping meeting shall be held as part of plan preparation. The contractor shall be prepared to make one revision to the UFP-QAPP as necessary. The UFP-QAPP shall include a clear description of data verification and validation plans and procedures. The contractor will not be required to conduct independent validation of laboratory analytical results. There are two versions of the UFP QAPP, the March 2005 version and the March 2012 optimized version, either version may be used based on contractor preference.

The contractor shall also prepare a Health and Safety Plan (HASP) regarding the work to be performed, taking into account the type of samples to be collected and the nature of the working conditions. The HASP shall address all applicable regulatory requirements; discuss personnel responsibilities, protective equipment, health and safety procedures and protocols, decontamination procedures, personnel training, and type and extent of medical surveillance. The HASP shall identify potential problems or hazards (known and unknown) that may be encountered and how these are to be addressed.

The draft UFP-QAPP shall be submitted to the TOCOR electronically at least 21 calendar days prior to beginning field activities. The TOCOR will review the draft QAPP and either approves the QAPP as is or provide comments on the draft QAPP. The final QAPP with signatures and the HASP shall be submitted to the TOCOR in electronic and hard copy format at least 7 calendar days prior to beginning field activities.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor shall develop a UFP-QAPP to meet the goals and objectives of this Task Order. The plan must be developed using data quality objectives, the systematic planning process, and related processes presented in Agency quality assurance guidance and policy. The UFP-QAPP must undergo reviews and approval by EPA. The plan must contain all information detailed in the UFP-QAPP manual under the four basic element groups: Project Management Objectives, Measurement/Data Acquisition, Assessment/Oversight, and Data Review. The graded approach may be used to address elements as specified in the UFP-QAPP manual. (The graded approach is the process of establishing the project requirements and level of effort according to the intended use of the results and the degree of confidence needed in the quality of results). The worksheets specified

**Performance Work Statement**  
**Sampling and Analysis Support at the Oilfield Scrap and Equipment Facility, Alexandria, LA**  
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in the UFP-QAPP manual, must be provided with the required information. The UFP-QAPP must be complete, technically accurate, and meet the requirements of the UFP-QAPP manual.

**ACCEPTABLE LEVEL OF QUALITY:** The measures of quality for Task 2 are EPA quality assurance policy, procedures, and specifications for quality assurance project plans. The acceptable level of quality for the UFP-QAPP is consistency with EPA quality assurance policy, procedures, and specifications.

**Task 03: Sampling of the soil and debris pile including soil classification and quantity of material in the pile**

The EPA is requesting soil sample collection at a soil and debris pile at the Oilfield Scrap site. The large soil and debris pile is located on the southwest side of the metal warehouse near the canal (see Figures 2, 3 and 4). Soil samples need to be collected from the pile and analyzed for Total metals, TCLP RCRA 8 metals and PCBs to confirm the non-hazardous waste determination. Geotechnical information (soil classification, plasticity using field-testing techniques to determine low, moderate or high plasticity) is also needed to determine the characteristics of the soil for re-use as capping material. For soil classification use the Standard Practice for Classification of Soils for Engineering Purposes, (Unified Soil Classification System), ASTM D2487. In addition we are requesting the contractor provide an updated quantity of material by determining the length, width and approximate height of the pile.

The contractor will collect samples at random locations around the perimeter of the pile. This includes the collection of surface samples at various heights reachable while standing on firm ground. No samples will be collected by climbing on the pile. A total of 20 samples plus QA/QC samples will be collected. The pile is approximately 100 feet by 90 feet by 20 to 25 feet high.

Photographs of the sampling locations and of the overall pile will be provided by the contractor.

A draft summary of the soil classification information along with photos and information on the pile size shall be submitted within 14 days of completion of the field work.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The collection of soil samples should follow SOPs and criteria contained in the UFP-QAPP. Soil classification should follow ASTM D2487.

**ACCEPTABLE LEVEL OF QUALITY:** Soil sampling data will be of adequate quality to make determinations for non-hazardous material, for re-use of the soils or for proper disposal, as needed.

**Task 04: Analytical Data Results**

The contractor shall use a private laboratory for soil analysis, routine turnaround time should be requested. The contractor should forward the analytical data package to the TOCOR as soon as it is received. All soil samples will be analyzed using Method 6010 for total metals, Method 8082A for Polychlorinated Biphenyls and Method 1311/6010 for Toxicity Characteristic Leaching Procedure (TCLP) RCRA 8 metals. This information will be part of the laboratory electronic data deliverable, and Trip Report appendices.

**Performance Work Statement**  
**Sampling and Analysis Support at the Oilfield Scrap and Equipment Facility, Alexandria, LA**  
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In addition, the contractor shall compile Summary Tables in the Trip Report that highlights contaminant hits above screening levels for each of the Methods. The tables shall include a column of appropriate Screening Levels for soil from the Louisiana Department of Environmental Quality (LDEQ), Risk Evaluation/Corrective Action Program (RECAP). Tables for comparison to regulatory levels for results of the TCLP analysis. This comparison will be used to determine if Task 5 - Soil Reuse Report will be conducted.

Analytical tables shall be submitted electronically within 14 days of receiving the analytical reports from the laboratory.

The contractor will perform a completeness check on the analytical data package which includes the following:

- Data package includes all the samples submitted for analysis;
- Data package should include all QA/QC results, lab's narrative regarding dilutions, corrective actions and etc.;
- Requested analytical methods were performed;
- Report includes analysis dates, sampling dates, laboratory data qualifiers, qualifier definitions, result units, reporting limits, and detection limits.

**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** Analytical data must meet the quality criteria specified in the UFP-QAPP and must meet project quality objectives. The laboratories shall perform the necessary QA/QC requirements according to EPA Method and Standard Method.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 4 will be data completeness (100%).

**Task 05: Soil Reuse Report** (may not be required if analytical results do not support reuse of the soil)

Before starting work on the Soil Reuse report the contractor shall review the analytical results, visual soil classifications and photos of the visual inspection of the soil pile. Based upon this information the contractor will consult with EPA on whether to proceed with a Soil Reuse report.

If it is determined to be feasible the contractor shall prepare a Soil Reuse report and submit a draft version to the TOCOR in electronic format within 60 calendar days of completion of field activities. The TOCOR will review the draft Soil Reuse report and will either approve the report as is or provide comments on the draft report. The final Soil Reuse report shall be submitted to the TOCOR in electronic and hard copy format within 14 calendar days of receipt of the TOCOR's approval of or comments on the draft report.

The Soil Reuse report will follow the requirements in Section 8 of the LDEQ RECAP. The EPA will submit the request and the report to LDEQ for approval.

**COMPLEXITY LEVEL:** Moderately complex

**Performance Work Statement**  
**Sampling and Analysis Support at the Oilfield Scrap and Equipment Facility, Alexandria, LA**  
Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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**PERFORMANCE STANDARD:** The Report must be well organized, legible, clear, and contain all data and documentation required by the RECAP guidance for soil reuse reports.

**ACCEPTABLE LEVEL OF QUALITY:** The source of measurements for Task 5 is convention for standard written English (spelling, punctuation, usage, etc.) and technical writing. The report must conform to standard conventions and be professionally written.

### **Task 06: Trip Report**

The contractor shall prepare a trip report and submit a draft version to the TOCOR in electronic format within 60 calendar days of completion of field activities. The TOCOR will review the draft trip report and will either approve the report as is or provide comments on the draft report. The final trip report shall be submitted to the TOCOR in electronic and hard copy format within 14 calendar days of receipt of the TOCOR's approval of or comments on the draft report.

Based on the field work performed at each facility, the trip reports may contain the following, as applicable:

- Short description of the objectives and methodology of sampling;
- Discussion about any problems encountered during the field events and deviations from the sampling and analysis plan (UFP-QAPP);
- Short description of any utility clearances performed;
- Personnel participating in the field events and regulatory agency staff onsite during field events;
- A table which includes information about each sample (sample id, sample location, sample date/time, analyses performed);
- Map(s) showing sample locations;
- Tables of analytical results (same as prepared under Task 4);
- Chain-of-custody documentation;
- Copy of field logbooks;
- Photographic log of the sampling; and
- A cd(s) containing the laboratory analytical reports;
- Soil Classification Data along with photographs;
- Description of the soil and debris pile including dimensions.

**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** The Trip Report must be well organized, legible, clear, and contain all data and documentation obtained during the project. Other than copies of field log books, chain-of-custody, and laboratory provided reports, the report and all attachments shall be type written, unless handwritten attachments are preapproved by the TOCOR.

**ACCEPTABLE LEVEL OF QUALITY:** The source of measurements for Task 6 is conventions for standard written English (spelling, punctuation, usage, etc.) and technical writing. The report must conform to standard conventions and be professionally written.

- **Performance Measures and Quality Assurance**

**Performance Work Statement**  
**Sampling and Analysis Support at the Oilfield Scrap and Equipment Facility, Alexandria, LA**  
Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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The contractor shall be adequately prepared before going into the field including but not limited to: appropriate field staff with required training and knowledge, appropriate field equipment, and familiarity with site conditions and requirements of the QAPP. The contractor shall use detailed logbooks and photographs to support observations and activities in the field.

The contractor shall coordinate and integrate all activity needed to provide the required support (e.g., problem identification/resolution strategy, responses to inquiries, and/or technical, service, administrative issues, etc.) in a timely, complete and effective manner. The contractor shall use quality assurance monitoring tools to ensure technical support and deliverables meet contract and task order requirements.

Deliverables shall meet the schedule and cost presented in the task order. Written deliverables shall reflect a good command of the English language, be well-organized, and free of grammatical errors, misspellings and incomplete sentences. As required, written deliverables shall also have high-quality professional graphics. Preparation and printing of materials shall be in accordance with GPO guidelines.

The contractor shall utilize staff with the appropriate level of education and work experience to meet the task order requirements. Specialized and/or expert staff must meet the minimum requirements as identified in the individual task orders. Contractor staff shall demonstrate a high level of professionalism.

- **Technical Direction**

The TOCOR is authorized to provide technical direction, which clarifies the PWS. Technical direction must be within the scope of the contract and the TO. Technical direction is instruction to the contractor that approves approaches, solutions, designs, or refinements; fills in details; completes the general description of work or documentation items; shifts emphasis among work areas or tasks; or provides similar guidance. It includes evaluation of contractor performance and comments on deliverables.

The TOCOR shall issue technical direction in writing or confirm in writing within five (5) calendar days after verbal issuance. The TOCOR shall forward copies of the technical direction to the Contracting Officer (CO) and RTOCOR.

The CO is the only person authorized to make changes to the TO or contract. Any changes to the TO scope, period of performance or deliverable due dates must be approved by the CO in writing.

- **Schedule of Deliverables**

The duplication of more than 5,000 copies of a single page or 25,000 or more total impressions is considered "printing" and, therefore, prohibited. For more information on restrictions relating to deliverables, the Contractor is referred to the EPA Publication Management Guide (EPA-175-K-92-011).

**Performance Work Statement**  
**Sampling and Analysis Support at the Oilfield Scrap and Equipment Facility, Alexandria, LA**  
Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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**SUMMARY OF DELIVERABLES AND DUE DATES**

<b><u>DELIVERABLES</u></b>	<b><u>TASK NO.</u></b>	<b><u>NO. OF COPIES*</u></b>	<b><u>DUE DATE*</u></b>
UFP-QAPP and HASP	Task 2	Draft QAPP – electronic Final QAPP and HSP – electronic and one (1) hard copy	Submit draft UFP-QAPP 21 days prior to beginning field activities.  Submit final UFP-QAPP and HASP 7 days prior to beginning field activities.
Field Activities Sampling	Task 3	N/A	Field activities will be scheduled. Submit a draft summary of the soil classification information along with photos and information on the pile size within 14 days of completion of the field work. (Note the final soil classification data, photographs and pile size information will be submitted in Trip Report)
Analytical data results	Task 4	Tables of compiled analytical results-electronic	Submit analytical data package as soon as it is received from the lab.  Submit tables of compiled analytical results within 14 days of receipt of analytical reports from the lab. Submit final tables of compiled analytical results with draft and final Trip Report.
Soil Reuse Report	Task 5	Draft Report –electronic Final Report – electronic and 1 hard copy	Submit draft report within 60 days of completion of field activities Submit final report within 14 days of approval of draft.
Trip Report	Task 6	Draft – electronic Final – electronic and one (1) hard copy	Submit draft Trip Report within 60 days of completion of field activities.  Submit final Trip Report within 14 days of receiving TOCOR's approval/comments on draft Trip Report.

**Performance Work Statement**  
**Sampling and Analysis Support at the Oilfield Scrap and Equipment Facility, Alexandria, LA**  
Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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\*Notes:

Final electronic copies should be in word and pdf format.

All days are calendar days unless otherwise specified. (All hard copy reports should be double sided.)

**Figure 1 Oilfield Scrap Inactive Site**



Soil from the down-gradient portion of the canal project was sampled in September 2014. The soil was moved to a nearby open lot (as seen in this Google Map photograph). Sample results from the soil that was moved indicate no disposal issues (from the TCLP results) and no human health exposure issues from the SW-846 6010 results.



**Performance Work Statement**  
**Sampling and Analysis Support at the Oilfield Scrap and Equipment Facility, Alexandria, LA**  
Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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Figure 2



The brush-clearing project was necessary for the city to complete the drainage improvement project near the Oilfield Scrap property. Note the pile of brush and soil to the right of the photo, located behind the metal warehouse. [Chatlin Lake Canal is also known as Sandy Bayou].



**Performance Work Statement**  
**Sampling and Analysis Support at the Oilfield Scrap and Equipment Facility, Alexandria, LA**  
Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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Figure 3 and 4



August 2015: View of the soil pile located behind the warehouse and covered with a tarp.



February 2016: Concreted area of canal near Oilfield Scrap.

# ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 10/31/2016		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO:	
3. ORDER NO. 6633		4. REQUISITION/REFERENCE NO. PR-R6-16-00373		a. NAME OF CONSIGNEE  Region 6	
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency 1445 Ross Avenue Suite 1200	
				c. CITY Dallas	e. ZIP CODE 75202-2733
7. TO: (b)(4)				f. SHIP VIA	
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				REFERENCE YOUR:  Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if anv. including delivery as indicated.	
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838	Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE	

11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT	
<input type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
a. INSPECTION Destination	b. ACCEPTANCE Destination				
16. DISCOUNT TERMS					

## 17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 006928857 Task Order 6633: Overview of Groundwater Modeling at LANL  This Time and Material Task Order is hereby initiated approving the contractor's Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$27,137.22
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive						\$27,137.22
c. CITY Durham				d. STATE NC	e. ZIP CODE 27711		17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature)

23. NAME (Typed)  
Derek Davis  
TITLE: CONTRACTING/ORDERING OFFICER

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO  
2

**IMPORTANT:** Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 10/31/2016	CONTRACT NO. EP-W-12-031	ORDER NO. 6633
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>proposal dated September 20, 2016 in the amount of \$27,137.22. Funding in the amount of \$27,137.22 is provided which the contractor is not authorized to exceed. All other terms and conditions remain unchanged and in full force and effect.</p> <p>TOCOR: Flora Greene Max Expire Date: 09/12/2017</p> <p>Admin Office:  SRRPOD  US Environmental Protection Agency  Ariel Rios Building  1200 Pennsylvania Avenue, N. W.  Mail Code: 3805R  Washington DC 20460</p> <p>Period of Performance: 10/31/2016 to 09/12/2017</p> <p>Overview of Groundwater Modeling at LANL</p> <p>Accounting Info:  16-17-B-06J-302DA1-2505-1606JCR200-001  BFY: 16 EFY: 17 Fund: B Budget Org:  06J Program (PRC): 302DA1 Budget  (BOC): 2505 DCN - Line ID:  1606JCR200-001  Funding Flag: Partial  Funded: \$27,137.22</p>				27,137.22	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$27,137.22

**Performance Work Statement**  
Overview of Groundwater Modeling at Los Alamos National Laboratory  
EPA Region 6, Dallas, 1445 Ross Ave, Suite 1200. Dallas, TX, 75202

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CONTRACT NUMBER: \_\_\_\_\_  
CONTRACT NAME: **REPA 5**  
CONTRACTOR NAME: \_\_\_\_\_

**REGION 6 TASK ORDER NUMBER: 6633**

August 22, 2016

**I. Title**

Overview of Groundwater Modeling at LANL (Los Alamos National Laboratory)

**II. Contract Officer Representatives**

**EPA Regional Project Officer**

FLORA GREENE  
M/S 6PD-M  
greene.flora@epa.gov  
Work: (214) 665-8428

**EPA Task Order Contract Officer Representative (TOCOR)**

SCOTT ELLINGER  
M/S 6PD-C  
Ellinger.scott@epa.gov  
Work: (214) 665-8408

**EPA Alternate TOCOR**

To be determined

**III. Authorization**

This Performance Work Statement (PWS) is in accordance with Task 1 – Technical Reviews and Analysis/Assessment Reports, Subtask 1.1, Technical Reviews, of the RCRA Enforcement, Permitting, and Assistance (REPA) Contract, Zone II Performance Work Statement.

**IV. Period of Performance**

The period of performance for this Task Order (TO) is from the date of Contracting Officer (CO) issuance through September 12, 2017.

V. **Place of Performance**

This task order involves a review of groundwater modeling information developed for Los Alamos National Laboratory (LANL).

VI. **Background**

LANL has a long history of operations going back to the Manhattan project in 1943. Historical operations have resulted in groundwater contamination by a number of contaminants including hexavalent chromium, perchlorate, tritium, nitrate, explosives, and others. Groundwater models have been used at LANL for many years to study and characterize groundwater flow and contaminant movement. Modeling has been performed to examine the nature and extent of contamination, identify sources of contamination, examine aquifer heterogeneity and parameters, test and evaluate conceptual models, optimize monitoring wells, and for other reasons. Models have been developed for saturated and unsaturated zones and for shallow and deep aquifers.

LANL resides on Pajarito Plateau along the eastern flank of the Jemez Mountains in north-central New Mexico. The lab property extends over 40 square miles and the nearest large city is Santa Fe, which is about 30 miles to the southeast. The geology and hydrogeology of LANL and the surrounding area is complex and consists of late Tertiary and Quaternary volcanic and sedimentary rocks containing perched aquifers and a deeper regional aquifer. The regional aquifer is used for drinking water supplies and public water supply wells are located near the laboratory. The plateau is capped with volcanic tuff and is dissected by narrow canyons 200-400 feet deep with intermittent streams that drain to the southeast. Groundwater and surface water are interconnected and groundwater discharges into the Rio Grande River east of the laboratory. The depth to the regional aquifer ranges from approximately 1200 feet below land surface along the western laboratory boundary, to approximately 600 feet below land surface to the east.

Different types of groundwater models have been developed by LANL, contractors, government agencies, universities, and other organizations. For purposes of this task order, a groundwater model means a final or draft written report that describes groundwater flow and/or contaminant mass transport through the saturated or unsaturated zone based on computer modeling, developed by LANL or contractors, government agencies, universities, and other organizations. EPA seeks a greater understanding of the scope of past and present groundwater modeling at LANL through a literature review.

VII. **Objective/Purpose**

The purpose of this Performance Work Statement (PWS) is to obtain contractor support for performing a literature review of groundwater models at LANL.

VIII. **Assumptions and Constraints**

- Groundwater modeling reports can be accessed via the LANL website at: <http://eprr.lanl.gov/oppie/service>.

- No out of town travel to EPA Region 6, LANL, or to the New Mexico Environment Department is necessary.
- It may be necessary to contact the New Mexico Environment Department (NMED) or LANL by email or telephone to identify technical reports.
- Reviews of actual computer modeling input/output data sets and files are not requested.
- Reviews of modeling software are not requested.

IX. **Scope**

**Task 01: Project Management**

The contractor shall prepare and solicit bids from sub-contractors and vendors, identify and make arrangements for project staff as required, and perform other general project management duties under this task. This task is *not* intended to include tasks that would be associated with the general cost of doing business. A Task Order kickoff meeting shall be held after the Task Order is awarded.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor must identify and utilize personnel, subcontractors, and vendors with the requisite training, ability, and knowledge to perform the other tasks within this task order.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement for Task 1 will be acceptable performance of staff, subcontractors and vendors during the sampling and documentation of the project.

**Task 2: Identify Models**

The contractor shall search for existing groundwater modeling reports (final or draft) using a variety of search mechanisms (i.e., literature search, website reviews, personal communication, reviews of bibliographies, etc.), as necessary to identify reports. After such reports are identified, the contractor will develop a list and contact the TOCOR to provide the list and discuss which groundwater models should then be reviewed under Task 3.

The emphasis should be on groundwater modeling reports about the regional aquifer; impacts to public water wells; and reports, drafts, technical papers, etc. about modeling the chromium plume in the regional aquifer. Less priority should be given to identifying groundwater models for isolated waste management or disposal units.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** Contractor staff that will search for and identify groundwater modeling reports shall have the necessary education and experience in geology, hydrogeology, groundwater modeling, and search procedures to fulfill the purpose of this task.

**ACCEPTABLE LEVEL OF QUALITY:** The search shall be thorough and complete enough to accurately identify and properly reference the groundwater models/reports specified above.

### **Task 3: Document Reviews and Summary**

For each groundwater model selected from the list developed under task 2, the contractor shall perform document reviews to summarize the following elements: modeling goals, the conceptual model, model construction, list the modeling program(s) used, modeling results, modeling uncertainties and sensitivities, modeling conclusions, and other pertinent information as necessary. Only one summary report is necessary for Task 3, and it may be divided into sections for each individual model described. The overall intent of the summary report is to provide EPA with a sense of the scope and type of the main modeling initiatives at LANL. The summary report shall contain references.

**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** Contractor staff that perform document reviews and summaries shall have the necessary education and experience in geology, hydrogeology, groundwater modeling, and search procedures to fulfill the purpose of this task. The Contractor shall provide resumes of the Contractor staff who will perform this work.

**ACCEPTABLE LEVEL OF QUALITY:** The reviews and summaries shall be written on a level suitable for use by professional geoscientists, including use by experienced groundwater modelers. The experience standard is least ten years of direct experience developing, applying, and reviewing groundwater models.

## **X. Technical Direction**

The TOCOR is authorized to provide technical direction, which clarifies the PWS. Technical direction must be within the scope of the contract and the TO. Technical direction is instruction to the contractor that approves approaches, solutions, designs, or refinements; fills in details; completes the general description of work or documentation items; shifts emphasis among work areas or tasks; or provides similar guidance. It includes evaluation of contractor performance and comments on deliverables.

The TOCOR shall issue technical direction in writing or confirm in writing within five (5) calendar days after verbal issuance. The TOCOR shall forward copies of the technical direction to the Contracting Officer (CO) and Project Officer (PO).

The CO is the only person authorized to make changes to the TO or contract. Any changes to the TO scope, period of performance or deliverable due dates must be approved by the CO in writing. Note: Clarifications by the TOCOR which incur additional costs must be approved by the CO.

**Performance Work Statement**  
Overview of Groundwater Modeling at Los Alamos National Laboratory  
EPA Region 6, Dallas, 1445 Ross Ave, Suite 1200. Dallas, TX, 75202

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**XI. Schedule of Deliverables**

The duplication of more than 5,000 copies of a single page or 25,000 or more total impressions is considered "printing" and, therefore, prohibited. For more information on restrictions relating to deliverables, the Contractor is referred to the EPA Publication Management Guide (EPA-175-K-92-011).

**SUMMARY OF DELIVERABLES AND DUE DATES**

<b><u>DELIVERABLES</u></b>	<b><u>TASK NO.</u></b>	<b><u>NO. OF COPIES*</u></b>	<b><u>DUE DATE*</u></b>
Task Order Kickoff Meeting	Task 1	N/A	After award of task order
Identify Models, List and Discuss	Task 2	1 electronic (wpd and pdf)	30 days after completion of task 1
Document Reviews and Summary Report	Task 3	1 electronic (wpd and pdf)	45 days after completion of task 2



# ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 05/05/2017		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO: a. NAME OF CONSIGNEE Region 6	
3. ORDER NO. 6636		4. REQUISITION/REFERENCE NO. See Schedule			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency 1445 Ross Avenue Suite 1200	
				c. CITY Dallas	e. ZIP CODE 75202-2733
7. TO: (b)(4)				f. SHIP VIA	
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if anv. including delivery as indicated.	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE	
11. BUSINESS CLASSIFICATION (Check appropriate box(es))					
<input type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB					
12. F.O.B. POINT					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
a. INSPECTION Destination	b. ACCEPTANCE Destination				
16. DISCOUNT TERMS					

## 17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)		
	DUNS Number: 006928857 Task Order 6636: Groundwater Monitoring Well Plugging and Abandonment Support at Former Rogers Delinted Cottonseed Company  This Time and Material Task Order is hereby Continued ...							
18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages) 		
21. MAIL INVOICE TO:								
a. NAME RTP Finance Center								
b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive								
c. CITY Durham						d. STATE NC	e. ZIP CODE 27711	17(i) GRAND TOTAL 
22. UNITED STATES OF AMERICA BY (Signature)  05/05/2017 ELECTRONIC SIGNATURE						23. NAME (Typed) Derek Davis TITLE: CONTRACTING/ORDERING OFFICER		

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO  
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 05/05/2017	CONTRACT NO. EP-W-12-031	ORDER NO. 6636
-----------------------------	-----------------------------	-------------------

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0005	<p>initiated approving the contractor's proposal dated April 19, 2017 in the amount of \$22,323.28. Funding in the amount of \$22,323.28 is provided which the contractor is not authorized to exceed. All other terms and conditions remain unchanged and in full force and effect.</p> <p>TOCOR: Flora Greene Max Expire Date: 09/12/2017</p> <p>Admin Office: SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460</p> <p>Period of Performance: 05/05/2017 to 09/12/2017</p> <p>Groundwater Monitoring Well Plugging and Abandonment Support at Former Rogers Delinted Cottonseed Company Requisition No: PR-R6-17-00119, PR-R6-17-00194</p> <p>Accounting Info: 17-18-B-06J-303D99-2505-1706JFR200-001 BFY: 17 EFY: 18 Fund: B Budget Org: 06J Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1706JFR200-001 Funding Flag: Partial Funded: \$15,000.00</p> <p>Accounting Info: 17-18-B-06J-303D99-2505-1706JFR202-001 BFY: 17 EFY: 18 Fund: B Budget Org: 06J Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1706JFR202-001 Funding Flag: Partial Funded: \$7,323.28</p>				22,323.28	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$22,323.28

**Performance Work Statement  
Sampling and Analysis Support at Former Rogers Delinted Cottonseed Company**

Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202

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CONTRACT NUMBER: EP-W-12-032  
CONTRACT NAME: REPA 5  
CONTRACTOR NAME: <>  
**REGION 6 TASK ORDER NUMBER: 6636**

May 9, 2016

I. **Title**     **Sampling and Analysis Support at Former Rogers Delinted Cottonseed Company**

II.     **Contract Officer Representatives**

**EPA Regional Project Officer**

FLORA GREENE  
M/S 6MM-RS  
greene.flora@epa.gov  
Work: (214) 665-8428

**EPA Task Order Contract Officer Representative (TOCOR)**

Paul Torcoletti  
M/S 6MM-RC  
torcoletti.paul@epa.gov  
Work: (214) 665-6494

**EPA Alternate TOCOR**

Alethea Tsui-Bowen  
M/S 6MM-RC  
tsui-bowen.alethea@epa.gov  
Work: (214) 665-7555

III.     **Authorization**

This Performance Work Statement (PWS) is in accordance with Task 2.2 Field Sampling, of the REPA 5, Zone II Contract SOW.

IV.     **Period of Performance**

The period of performance for this Task Order (TO) is from the date of Contracting Officer (CO) issuance through September 12, 2016.

V.     **Place of Performance**

This task order will involve sampling and analysis support at the former Rogers Delinted Cottonseed Company, U.S. Highway 77 Business, Robstown, TX.

**Performance Work Statement  
Sampling and Analysis Support at Former Rogers Delinted Cottonseed Company**

Region 6, Dallas, 1445 Ross Ave, Ste 1200. TX, 75202

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**VI. Background**

The former Rogers Delinted Cottonseed Co. (RDCC) facility is located just northeast of Robstown, TX, in Nueces County, on the east side of U.S. Hwy 77 (Business). The property is 15 acres in size with cotton fields to the east, west, and north; the City of Robstown's sewage treatment plant and closed landfill are to the south. Between the years of approximately 1962 to 1984 RDCC operated a wet acid cotton seed delinting process to provide seed for planting. The delinting process employed at the now inactive RDCC facility utilized highly concentrated sulfuric acid (97%) to dissolve cotton fibers from the seed. Used acid and rinsewaters containing the decomposing fibers were discharged from the process area sump through an underground clay pipe to a series of four evaporation ponds. Sludges from the bottoms of the pond were periodically removed and spread around the property. Seeds were treated with fungicide prior to packing. Some seeds were also treated with insecticide.

In 1982, RDCC submitted a Closure Plan for all four ponds. Closure was approved, and in late 1982 Pond 1 was closed in accordance with the Closure Plan. During closure, the Pond 1 contents were adjusted to a pH greater than 2, and a 3 ft. thick clay cap was applied over the pond contents. The northern and eastern portions of the Pond 1 cap have been disturbed. It appears that the farming operations on the properties to the north and east have plowed through portions of the pond adjacent to the farm fields. The other ponds remained in use until close to the date of sale of the property to Yazaki USA Corporation (March 1984). Ponds 2, 3, and 4 were never closed in accordance with the Closure Plan.

In 2010, under the REPA IV contract, the EPA conducted an investigation at the Former RDCC facility. The EPA installed four new groundwater monitoring wells (MW-6, 7, 8, and 9). Prior to this installation, there were five groundwater monitoring wells (MW-1, 2, 3, 4, and 5), but the only wells left of these five are MW-3 and MW-4. In 2010, the EPA collected groundwater samples from six groundwater monitoring wells (MW-3, 4, 6, 7, 8, and 9). The EPA installed soil borings within Ponds 2, 3, and 4 (SB-1, 2, 3, 4, 5, and 6) and collected subsurface soil samples. The EPA also collected grab and composite surface soil samples throughout the property.

In 2011, under the REPA IV contract, the EPA conducted another groundwater sampling event at the Former RDCC facility.

In March 2012, the RDCC property was purchased by the Robstown Improvement Development Corporation (RIDC) as a tax resale. The RIDC would like to complete corrective actions at the facility and promote the property for retail/commercial use.

In 2013, under the REPA IV contract, the EPA performed a third groundwater sampling event, performed a water well survey within a 0.5 mile radius of the subject property and, conducted a well yield test at monitoring well MW-9. Elevated PID readings were measured in the headspace of wells MW-3 and MW-6. The steel protective casing of well MW-6 and well lock were observed to be heavily corroded (rusted). The EPA has speculated that hydrogen sulfide gas may have been present in these two wells located downgradient of former sulfuric acid wastewater disposal ponds and next to adjacent closed municipal landfill.

After the conclusion of the 2013 sampling event, the RIDC demolished all buildings and removed all above ground infrastructure for the site.

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This PWS will include a round of groundwater sampling at the Former Rogers Delinted Cottonseed Company (RDCC) facility. It will also include the collection and field screening of gas samples from monitoring wells and the field screening of gas samples collected from temporary soil vapor monitoring points. A site location map is provided as Exhibit A.

**VII. Objective/Purpose**

The purpose of this PWS is to provide sampling and analysis support at the former RDCC facility located in Robstown, TX.

**VIII. Assumptions and Constraints**

- A scoping meeting will be conducted, if requested by at least one contractor.
- The EPA will obtain an access agreement with the current owner;
- The EPA TOCOR or Alternate TOCOR will determine the sampling/testing locations;
- The contractor will provide sample containers and shipping coolers;
- The contractor will provide all necessary sampling equipment and sampling supplies;
- EPA Houston Lab will analyze the groundwater samples with the exception of those analyzed for thiram (EPA 630). The use of Scribe may be required for samples submitted to the Houston Lab;
- Samples for thiram (EPA 630) will be analyzed by a subcontract laboratory;
- Assume a Level 3 type data package will be required;
- Samples shipped to the Houston Lab cannot be shipped on a Friday;
- The contractor shall communicate directly with EPA Houston Lab to determine other lab requirements, including but not limited to sample bottle type and quantity, sample labeling, chain-of-custody; use of Scribe; and, shipping;
- Laboratory reports will be provided as both hardcopy (at least one hardcopy provided to EPA) and digital (PDF) format. Analytical results shall also be provided as an electronic data deliverable (EDD) in a format suitable for use with Microsoft Excel™ and compatible with the version used by EPA Region 6;
- If a geographic information system (GIS) is used to create maps, the contractor shall provide all project related GIS shape files;
- The contractor will be responsible for arranging off-site disposal of Investigation Derived Waste (IDW), including purge water, decontamination fluids, disposable sampling equipment and personnel protective equipment (PPE);
- The contractor will be responsible for providing appropriate containers to store investigation derived waste (IDW), moving IDW to chosen staging areas, proper labeling of IDW containers, characterization of IDW, pickup, transport and off-site disposal of IDW, including all associated costs;
- Assume IDW is non-hazardous;
- Assume that groundwater sample analytical results will be used to characterize purge/development water waste;
- Assume that purge water and decontamination fluids will be staged at the Robstown POTW, located adjacent to the former RDCC facility. EPA will assist the contractor in coordinating with the property owner and city for storage of IDW until picked up for disposal.
- Electrical power, potable water and other utilities are not available at the site;
- Contractor will furnish six new replacement locks, all keyed the same, for monitoring wells;
- A bolt cutter or equivalent tool may be needed to remove one or more existing well locks;

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- Assume major brush/grass clearing, if necessary, will be performed by the city prior to mobilization; however, the contractor should have hand tools available (e.g. machete) to enable additional clearing around well and soil vapor locations; and,
- See Section IX for more assumptions.

**IX. Scope**

**Task 01: Project Management**

The contractor shall have a task order kickoff call with the EPA after the Task Order is awarded. The TOCOR will invite the Houston Lab to attend the kickoff call to assist with planning.

The contractor shall prepare and solicit bids from sub-contractors and vendors, identify and make arrangements for project staff as required, and perform other general project management duties under this task. This task is *not* intended to include tasks that would be associated with the general cost of doing business.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor must identify and utilize personnel, subcontractors, and vendors with the requisite training, ability, and knowledge to perform the other tasks within this task order.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 1 will be the performance of staff, subcontractors and vendors to complete the other tasks within this task order.

**Task 02: Preparation of Uniform Federal Policy (UFP) Quality Assurance Project Plan (QAPP) and Health and Safety Plan**

The contractor shall prepare a site-specific QAPP following the Uniform Federal Policy (UFP) for implementing Environmental Quality Systems. The UFP-QAPP shall address the remaining tasks required for this project. The contractor shall prepare the UFP-QAPP to present the overall project description, project organization, responsibilities, and objectives associated with the sampling and analysis to be conducted. The contractor shall provide a very detailed description of how they plan to collect the samples. The UFP-QAPP shall comply with all quality assurance requirements. The UFP-QAPP shall include a clear description of data verification and validation plans and procedures, if any. The contractor shall be prepared to make one (1) revision to the UFP-QAPP as necessary.

The contractor shall also prepare a Health and Safety Plan (HASP) regarding the field work to be performed in the following tasks, taking into account the type of samples to be collected and the nature of the working conditions. The HASP shall address all applicable regulatory requirements; discuss personnel responsibilities, personal protective equipment, health and safety procedures and protocols, decontamination procedures, personnel training, and type and extent of medical surveillance. The HASP shall identify potential problems or hazards (known and unknown) that may be encountered and how these are to be addressed.

The draft UFP-QAPP shall be submitted to the TOCOR electronically at least 21 calendar days prior to beginning field activities. The TOCOR will review the draft QAPP and either approve the QAPP as is or provide comments on the draft QAPP. The final QAPP with signatures and the HASP shall be submitted to the TOCOR in electronic and hard copy format at least 10 calendar days prior to beginning field activities.

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**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor shall develop the UFP-QAPP to meet the goals and objectives of the project performed under this Task Order. The plan must be developed using data quality objectives, the systematic planning process, and related processes presented in Agency quality assurance guidance and policy. The UFP-QAPP must undergo reviews and approval by EPA. The plan must contain all information detailed in the UFP-QAPP manual under the four basic element groups: Project Management Objectives, Measurement/Data Acquisition, Assessment/Oversight, and Data Review. The graded approach may be used to address elements as specified in the UFP-QAPP manual. (The graded approach is the process of establishing the project requirements and level of effort according to the intended use of the results and the degree of confidence needed in the quality of results). The worksheets specified in the UFP-QAPP manual, Table 2, must be provided with the required information. The UFP-QAPP must be complete, technically accurate, and meet the requirements of the UFP-QAPP manual.

**ACCEPTABLE LEVEL OF QUALITY:** The measures of quality for Task 2 are EPA quality assurance policy, procedures, and specifications for quality assurance project plans. The acceptable level of quality for the UFP-QAPP is consistency with EPA quality assurance policy, procedures, and specifications.

**Task 03: Groundwater, Monitoring Well Headspace and Soil Gas Sampling**

**Groundwater Sampling**

A site map of the facility showing monitoring well locations is attached as Exhibit B, along with a table of surveyed monitoring well coordinates. Well construction information is provided as Exhibit C. A sampling summary is provided as Exhibit D.

- Collect six groundwater samples using low-flow sampling methods. Field parameters (temperature, specific conductance, dissolved oxygen, ORP, turbidity) will be measured using a flow-through cell;
- Submit the groundwater samples to the EPA Houston Lab for analysis of:
  - Total RCRA 8 metals including mercury (Methods 6010 and 7470A);
  - Total VOCs (Method 8260B);
  - Organophosphorus pesticides – reduced list (Method 8141B);
  - Organochlorine pesticides (Method 8081B);
  - Sulfate (Method 9038 or equivalent)
  -
- Field filtering for metals is not required;
- Submit groundwater samples for the analysis of thiram (EPA 630) to a subcontract laboratory;
- Collect field duplicates (1 per 20 field samples for each method), equipment and field blanks (1 per 20 field samples for each method), and trip blanks (1 per shipping cooler for VOCs);
- Collect MS/MSD samples at a frequency of 1/20 per matrix per analysis for organics and 1/10 per matrix per analysis for inorganics; and
- Decontaminate non-dedicated sampling equipment prior to sampling each well.



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### **Monitoring Well Headspace Sampling**

Headspace gases in each monitoring well will be sampled using portable field instruments prior to groundwater sample collection. Upon arrival at each monitoring well, the headspace gas will be measured using single or multiple gas meter(s) capable of detecting VOCs (PID with 10.7 eV lamp), hydrogen sulfide (H<sub>2</sub>S) and methane (CH<sub>4</sub>). The ability to discriminate the presence of H<sub>2</sub>S and CH<sub>4</sub> is a critical consideration for gas meter selection. The gas meter(s) will be calibrated in accordance with manufacturer recommendations. The initial headspace measurement will be collected by inserting the sample probe approximately six- to twelve-inches into the top of the well casing and collecting the sample using the internal instrument pump. After initial headspace screening, the static water level will be measured and compared with known or estimated screen intervals. If the static water level is found to be above the top of the well screen no further headspace sampling will be performed. For cost estimating purposes, assume all six monitoring wells will be sampled; however, the EPA may reduce the number of wells sampled. A locking vapor extraction plug suitable for a 2-inch nominal diameter PVC riser will be inserted into the opening of each well and expanded, or otherwise secured, to form an air tight seal. The well will be evacuated until three well volumes of headspace vapor are removed (as determined by distance from TOC to SWL). Field measurements (VOC, H<sub>2</sub>S, CH<sub>4</sub>) will be collected at intervals approximating the removal of one, two and three well volumes. The well headspace may be purged using a vacuum pump or peristaltic pump (given the expected purge volume, the internal pump of the multi gas meter is not suitable for purging). No maximum flow rate is specified so long as the applied vacuum does not cause the rising water to inundate the well screen. Flow monitoring shall be performed to demonstrate that the well has been sufficiently purged.

### **Active Soil Gas Sampling**

Shallow subsurface soil vapor samples will be collected from up to nine temporary sampling points at the approximate locations illustrated in Exhibit D. For cost estimating purposes, assume nine locations will be sampled and three probe holes will require relocation due to refusal prior to attaining the minimum depth. Active soil gas samples will be collected through the use of an AMS soil vapor probe kit (or equivalent) at each sample location. Dedicated or retractable tips may be used. The temporary soil vapor sampling points will be driven to a minimum depth of three feet with a target depth of five feet. Well points shall be manually driven with a slam bar (slide hammer) or power hammer. To mitigate short circuiting during sample collection, probe holes will be sealed at the surface using modeling clay or hydrated bentonite chips. If hydrated bentonite is used, purging/sampling will not begin until at least 30 minutes after hydration.

Soil gas will be purged from the sampling interval using a vacuum pump, peristaltic pump or the internal field instrument pump attached to the vapor probe via high-density polyethylene (HDPE), Tygon or teflon tubing. One liter (L) of soil gas shall be purged prior to sample collection. Purging/sampling rate should not exceed 200ml/min. After the 1L volume is removed a field screening sample will be collected. Field measurements may be collected directly from the discharge tubing or from a previously filled 1L tedlar bag.

Soil gas samples will be field analyzed using single or multiple gas meter(s) capable of detecting VOCs (PID with 10.7 eV lamp), hydrogen sulfide (H<sub>2</sub>S) and methane (CH<sub>4</sub>). The ability to discriminate the presence of H<sub>2</sub>S and CH<sub>4</sub> is a critical consideration for gas meter selection. The gas meter(s) will be calibrated in accordance with manufacturer recommendations.

Soil vapor monitoring point locations will be surveyed using a portable GPS having a minimum horizontal accuracy of  $\pm 3$  feet.



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Non-dedicated sampling equipment will be decontaminated prior to installing and sampling each sampling point.

The EPA may reduce the number of active soil vapor sample locations depending on results from prior locations.

### **IDW Management and Disposal**

Assumptions regarding IDW management and disposal are articulated in Section VIII. Within ten business days of receiving the data laboratory data necessary to characterize the waste, the contractor shall ensure that all IDW is removed from the temporary storage location and sent for off-site disposal.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor must provide the field sampling and analysis services according to the schedule provided and must be conducted according to standard government and industry practices for sampling and analysis following the field and laboratory specifications and criteria contained in the UFP-QAPP. The contractor will have copies of all applicable standard operating procedures (SOPs) on-site. Analytical data must meet the quality criteria specified in the UFP-QAPP.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 3 will be successful completion of sampling. Deliverables should be of sufficient quality to document the type and location of all samples taken in the field.

### **Task 04: Analytical Data Results**

The EPA Houston Lab will send the laboratory analytical results to the TOCOR and the TOCOR will forward the results to the contractor. Analytical results from the subcontract laboratory will be sent directly to the contractor.

The contractor will compile the laboratory analytical data into summary tables. Non-detected compounds will be input as the reporting limit (RL) in the following format (<RL). Summary tables shall include applicable residential assessment levels (TRRP<sup>GW</sup>GW<sub>ing</sub> PCLs for class 1 groundwater). Constituents with concentrations exceeding residential assessment levels shall be identified with unique formatting (e.g. bold text and/or shading). Laboratory data qualifiers will be included in the summary tables. Summary tables will be provided as both hard copy (incorporated into trip report) and as electronic files compatible with EPA's current version of Microsoft Excel™.

The contractor will compile field measured data for monitoring well head space and subsurface soil gas into summary tables. Summary tables will be provided as both hard copy (incorporated into trip report) and as electronic files compatible with EPA's current version of Microsoft Excel™.

The contractor shall perform a data verification on the field records and analytical reports. Formal data validation will not be performed. The data verification documentation shall be included in the trip report.

**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** Analytical data must meet the quality criteria specified in the UFP-QAPP and must meet project quality objectives.

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**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 4 will be 100% data completeness and usability.

**Task 05: Trip Report**

The contractor shall prepare a trip report and submit a draft version to the TOCOR in electronic format within 60 calendar days of completion of field activities. The TOCOR will review the draft trip report and will either approve the report as is or provide comments on the draft report. The final trip report shall be submitted to the TOCOR in electronic and hard copy format within 14 calendar days of receipt of the TOCOR's approval of or comments on the draft report. The cost proposal shall assume one revision to the draft trip report in response to EPA comments.

Based on the field work performed, the trip report shall contain the following:

- Report title, including the site/facility name;
- Name of the organization preparing the report;
- Unique identification of the report on each page; (e.g., project identification);
- Sequentially numbering of each page. Numbering will include both the current page number and the total number of pages (e.g., page x of y or x/y, where x is the current page number and y is the total number of pages);
- Description of the objectives and methodology of sampling;
- Discussion about any problems encountered during the field event, details of any environmental conditions during the field investigation that may affect the interpretation of the report results, and deviations from the sampling and analysis plan (UFP-QAPP);
- Personnel participating in the field events and regulatory agency staff onsite during field events;
- A table which includes information about each sample (sample id, sample location (GPS coordinates), sample date/time, analyses performed);
- Map(s) showing groundwater and soil vapor sample locations;
- Tables of compiled field-measured vapor data from monitoring wells and temporary sample points;
- Tables of compiled analytical data results;
- Documentation for analytical data verification;
- Field instrument calibration records;
- Chain-of-custody documentation;
- Copy of field logbooks;
- Photographic log of the sampling, including brief written description for each photo;
- IDW disposal documentation; and,
- A cd(s) containing the laboratory analytical reports, both EDD and signed PDF.

**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** The trip report must be well organized, legible, clear, and contain all data and documentation obtained during the project. Other than copies of field log books, chain-of-custody, and laboratory provided reports, the report and all attachments shall be type written, unless handwritten attachments are preapproved by the TOCOR.

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**ACCEPTABLE LEVEL OF QUALITY:** The source of measurements for Task 5 is conventions for standard written English (spelling, punctuation, usage, etc.) and technical writing. The report must conform to standard conventions and be professionally written.

**X. Performance Measures and Quality Assurance**

The contractor shall be adequately prepared before going into the field including but not limited to: appropriate field staff with required training and knowledge, appropriate field equipment, and familiarity with site conditions and requirements of the QAPP. The contractor shall use detailed logbooks and photographs to support observations and activities in the field.

The contractor shall coordinate and integrate all activity needed to provide the required support (e.g., problem identification/resolution strategy, responses to inquiries, and/or technical, service, administrative issues, etc.) in a timely, complete and effective manner. The contractor shall use quality assurance monitoring tools to ensure technical support and deliverables meet contract and task order requirements.

Deliverables shall meet the schedule and cost presented in the task order. Written deliverables shall reflect a good command of the English language, be well-organized, and free of grammatical errors, misspellings and incomplete sentences. As required, written deliverables shall also have high-quality professional graphics. Preparation and printing of materials shall be in accordance with GPO guidelines.

The contractor shall utilize staff with the appropriate level of education and work experience to meet the task order requirements. Contractor staff shall demonstrate a high level of professionalism.

**XI. Technical Direction**

Technical direction must be within the scope of the contract and the TO. Technical direction is instruction to the contractor that approves approaches, solutions, designs, or refinements; fills in details; completes the general description of work or documentation items; shifts emphasis among work areas or tasks; or provides similar guidance. It also includes evaluation of contractor performance and comments on deliverables.

The TOCOR does not have the authority to issue technical direction which: requires additional work outside the scope, constitutes a change, causes an increase or decrease in the estimated cost, alters the period of performance, or changes any of the other terms or conditions of the contract or TO.

The CO is the only person authorized to make changes to the TO or contract. Any changes to the TO scope, period of performance or deliverable due dates must be approved by the CO in writing.

**XII. Schedule of Deliverables**

The duplication of more than 5,000 copies of a single page or 25,000 or more total impressions is considered "printing" and, therefore, prohibited. For more information on restrictions relating to deliverables, the Contractor is referred to the EPA Publication Management Guide (EPA-175-K-92-011).

**SUMMARY OF PLANNED CONFERENCE CALLS**

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<b><u>CONFERENCE CALL</u></b>	<b><u>DUE DATE</u></b>
Scoping Call	If Requested
TO Kickoff Call	After TO is awarded

**SUMMARY OF DELIVERABLES AND DUE DATES**

<b><u>DELIVERABLES</u></b>	<b><u>TASK NO.</u></b>	<b><u>NO. OF COPIES*</u></b>	<b><u>DUE DATE*</u></b>
UFP-QAPP and HASP	Task 2	Draft QAPP – electronic Final QAPP and HASP – electronic and one (1) hard copy	Submit draft UFP-QAPP 21 days prior to beginning field activities.  Submit final UFP-QAPP and HASP 10 days prior to beginning field activities.
Sampling	Task 3	N/A	TBD
IDW Disposal	Task 3	N/A	Within 10 business days of contractor receipt of analytical laboratory reports from the TOCOR.
Analytical data results	Task 4	Analytical data package - electronic	Include the compiled analytical results, documentation of data validation and verification, and CD of laboratory analytical results in the trip report.
Trip report	Task 5	Draft – electronic Final – electronic and one (1) hard copy	Submit the draft trip report within 60 days of completion of field activities.  Submit the final trip report within 14 days of receiving TOCOR's approval/comments on draft trip report.

**\*Notes:**

Final electronic copies should be in **pdf format**.

Other electronic deliverables shall be furnished as specified in this PWS.

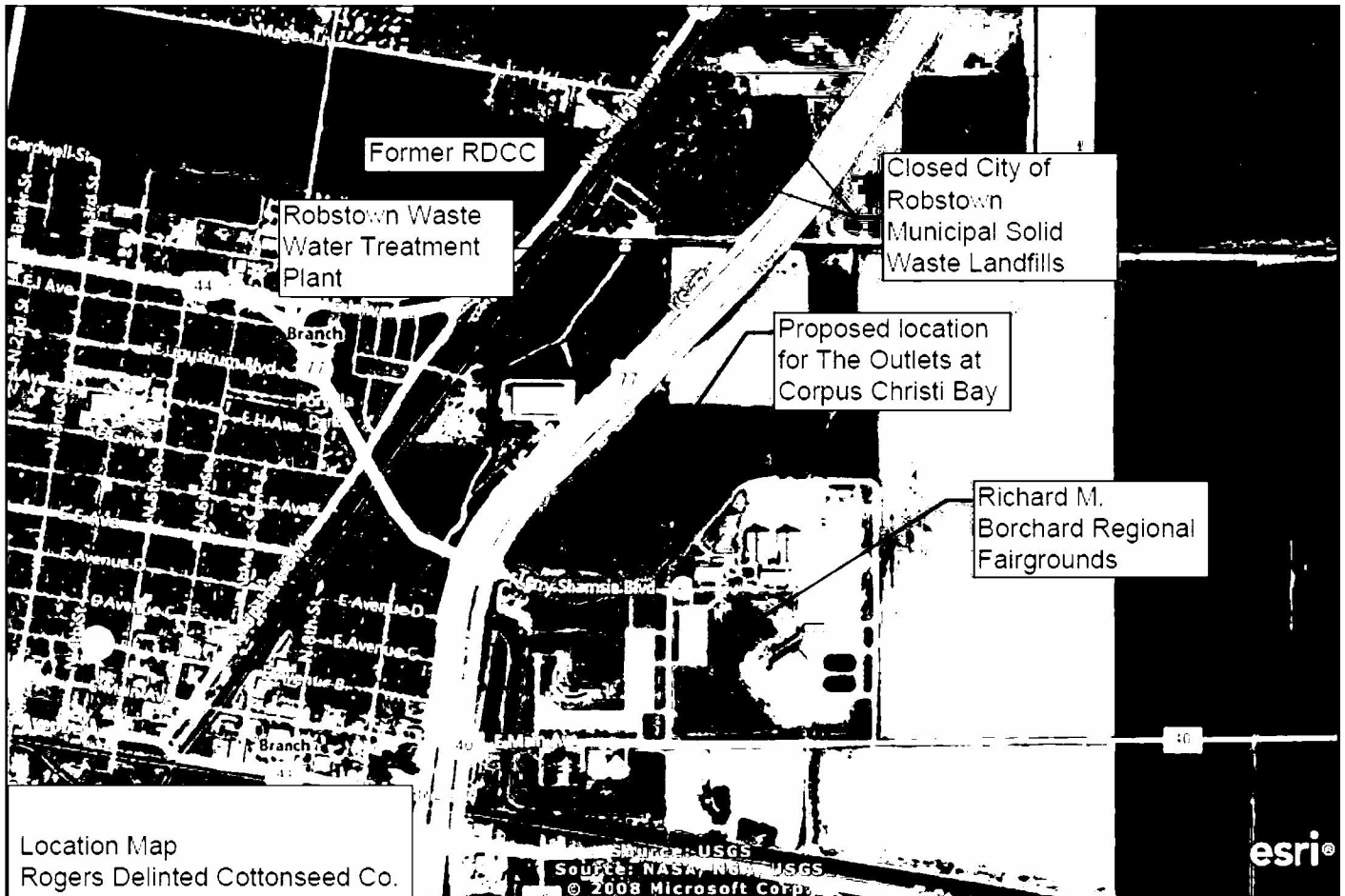
All days are calendar days unless otherwise specified.

All hard copy reports should be double sided.

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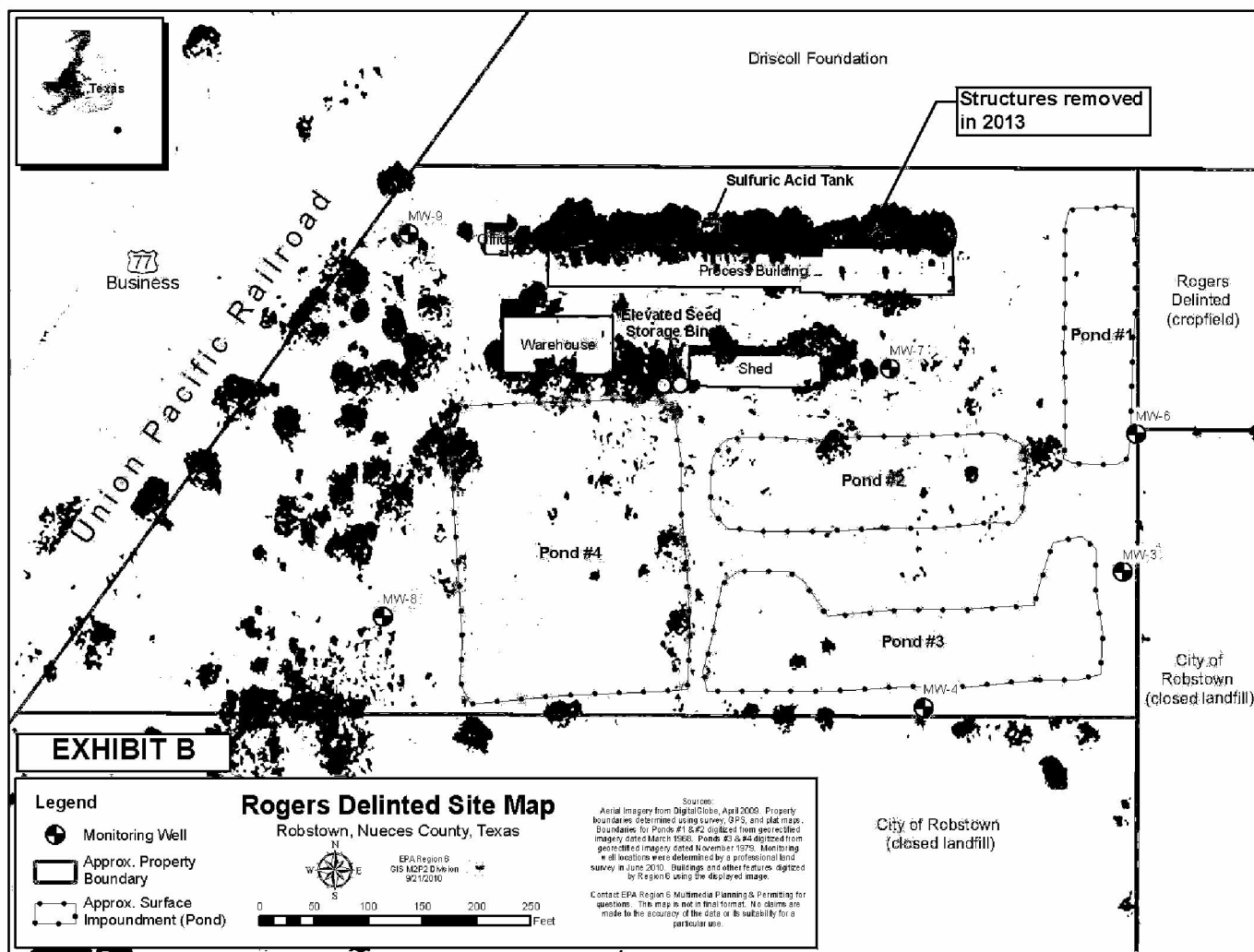
**EXHIBIT A  
SITE LOCATION MAP**



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**EXHIBIT B  
SITE MAP - MONITORING WELL LOCATIONS & COORDINATES**



MW I.D.	N	E	Z (top of pipe)	Z (N.G.)
MW-3	27° 48' 11.81799"	097° 38' 46.94724"	73.86'	72.16'
MW-4	27° 48' 10.59307"	097° 38' 48.96800"	73.91'	73.91'
MW-6	27° 48' 13.06887"	097° 38' 46.78991"	75.41'	72.41'
MW-7	27° 48' 13.69244"	097° 38' 49.31582"	75.05'	73.05'
MW-8	27° 48' 11.43283"	097° 38' 54.51869"	74.24'	71.54'
MW-9	27° 48' 14.94500"	097° 38' 54.23602"	76.59'	73.69'

All coordinates and elevations are based on NGS monument, having Designation name **T53 B**, a PID-AB3207, found on USGS QUAD Robstown (1953). Having a Latitude (N) of 27° 46' 45.38753, Longitude (E) 097° 41' 25.86564 and Elevation (Z) 76.60. Data retrieval date of July 30, 2010.

**Texas State Plane Coordinate System, NAD 83, Texas South Zone**

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**EXHIBIT C  
MONITORING WELL CONSTRUCTION DETAILS**

<b>Well ID</b>	<b>Total Depth (bgs)</b>	<b>Screened Interval</b>	<b>2013 Static Water Level (feet btoc)<sup>1</sup></b>	<b>2013 Measured Total Depth (feet btoc)<sup>1</sup></b>
MW-3	~49'	35' of screen	22.82	51.20
MW-4	38'	22' – 32'	22.70	40.34
MW-6	29'	19' - 29'	24.69	31.21
MW-7	31'	19' - 29'	23.52	29.03
MW-8	31'	19' - 29'	22.41	30.77
MW-9	31'	19' - 29'	24.44	31.41

<sup>1</sup> As reported in the 2013 Sampling Report, Booz Allen Hamilton dated September 2013  
btoc = below top of casing

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**EXHIBIT D  
GROUNDWATER SAMPLING SUMMARY**

<b>Sample Matrix</b>	<b>Number of Samples</b>	<b>Analytes</b>
Groundwater	6	<ul style="list-style-type: none"> <li>• RCRA 8 metals incl. Hg (Methods 6010 and 7470A);</li> <li>• total VOCs (Method 8260B);</li> <li>• organophosphorus pesticides (Method 8141B);</li> <li>• organochlorine pesticides (Method 8081B);</li> <li>• dithiocarbamate pesticides (thiram) (Method 630);</li> <li>• Sulfate (Method 9038 or equivalent)</li> </ul>
Field Duplicate (water)	frequency of 1/20 per matrix per analysis for organics and inorganics	<ul style="list-style-type: none"> <li>• RCRA 8 metals incl. Hg (Methods 6010 and 7470A);</li> <li>• total VOCs (Method 8260B);</li> <li>• organophosphorus pesticides (Method 8141B);</li> <li>• organochlorine pesticides (Method 8081B);</li> <li>• dithiocarbamate pesticides (thiram) (Method 630);</li> <li>• Sulfate (Method 9038 or equivalent)</li> </ul>
Field Blank/Equipment Blank (water)	1 EA	<ul style="list-style-type: none"> <li>• RCRA 8 metals incl. Hg (Methods 6010 and 7470A);</li> <li>• total VOCs (Method 8260B);</li> <li>• organophosphorus pesticides (Method 8141B);</li> <li>• organochlorine pesticides (Method 8081B);</li> <li>• dithiocarbamate pesticides (thiram) (Method 630);</li> <li>• Sulfate (Method 9038 or equivalent)</li> </ul>
MS/MSD (water)	frequency of 1/20 per matrix per analysis for organics and 1/10 per matrix per analysis for inorganics	<ul style="list-style-type: none"> <li>• RCRA 8 metals incl. Hg (Methods 6010 and 7470A);</li> <li>• total VOCs (Method 8260B);</li> <li>• organophosphorus pesticides (Method 8141B);</li> <li>• organochlorine pesticides (Method 8081B);</li> <li>• dithiocarbamate pesticides (thiram) (Method 630);</li> <li>• Sulfate (Method 9038 or equivalent)</li> </ul>
Trip Blank (water)	1 per cooler containing VOC samples	Total VOCs (Method 8260B)

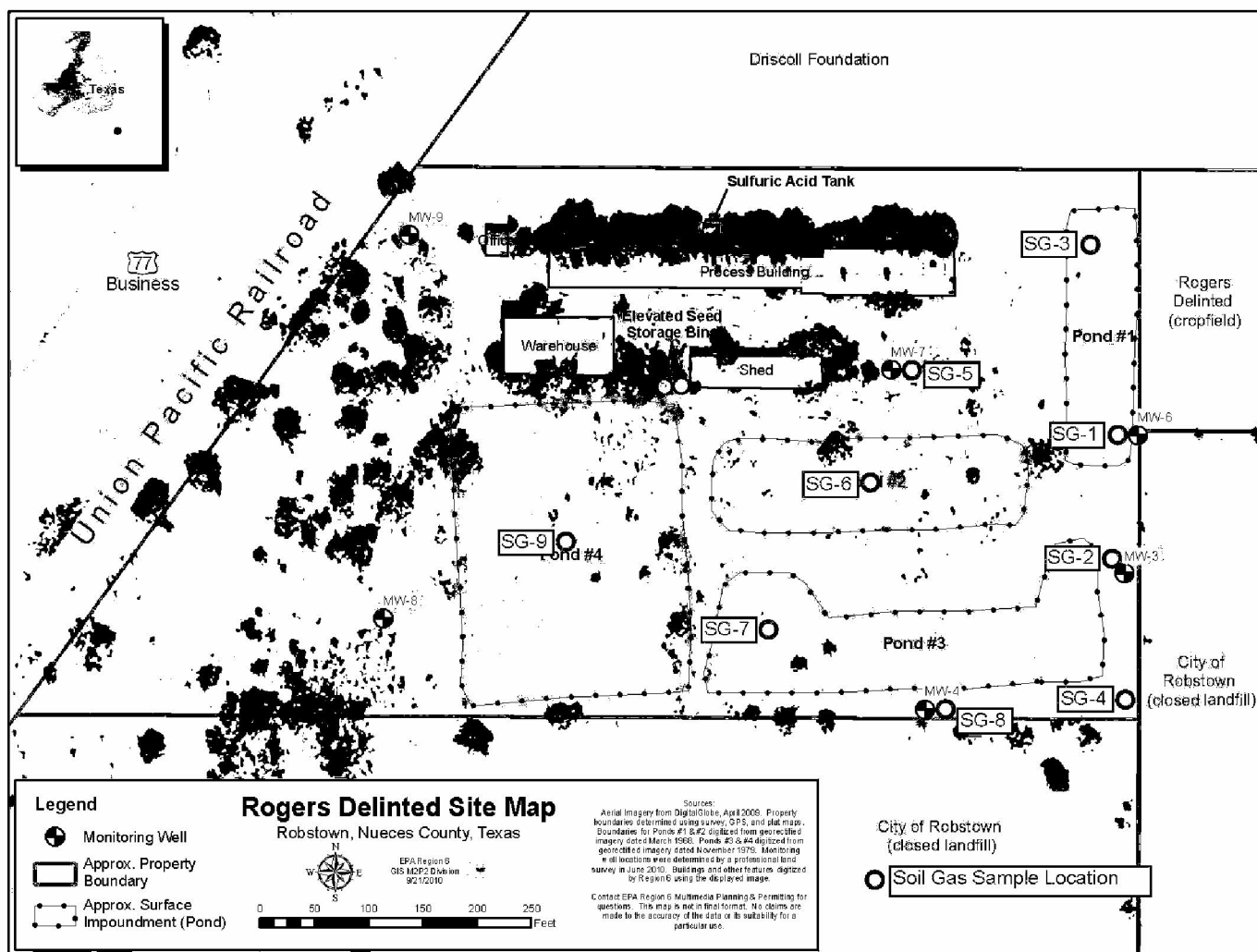


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**EXHIBIT E  
SUBSURFACE VAPOR SAMPLING LOCATION MAP AND COORDINATES**

Sampling_Site	Latitude	Longitude
SG-1	27.803630	-97.646392
SG-2	27.803318	-97.646412
SG-3	27.804118	-97.646458
SG-4	27.802960	-97.646377
SG-5	27.803799	-97.646976
SG-6	27.803511	-97.647093
SG-7	27.803158	-97.647377
SG-8	27.802935	-97.646885
SG-9	27.803369	-97.647958



<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 1	
2. AMENDMENT/MODIFICATION NO. 001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY CODE SRRPOD		7. ADMINISTERED BY (If other than Item 6) CODE	
SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460		8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) BOOZ ALLEN HAMILTON INC. Attn: (b)(4) 8283 GREENSBORO DRIVE MCLEAN VA 221023838		9A. AMENDMENT OF SOLICITATION NO.	
CODE 006928857		FACILITY CODE		9B. DATED (SEE ITEM 11)	
				10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-12-031 6636	
				10B. DATED (SEE ITEM 13) 05/05/2017	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Mutual Agreement of the Parties
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☐ is not. ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 006928857

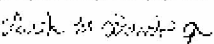
Task Order 6636: Groundwater Monitoring Well Plugging and Abandonment Support at Former Rogers Delinted Cottonseed Company

TOCOR: Flora Greene Max Expire Date: 10/31/2017

The purpose of this modification is to issue a no cost period of performance extension from September 12, 2017 to October 31, 2017.

Period of Performance: 05/05/2017 to 10/31/2017

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Derek Davis	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 08/30/2017

# ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 05/18/2017		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO: a. NAME OF CONSIGNEE Region 6	
3. ORDER NO. 6637		4. REQUISITION/REFERENCE NO. See Schedule			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency 1445 Ross Avenue Suite 1200	
				c. CITY Dallas	e. ZIP CODE 75202-2733
7. TO: (b)(4)				f. SHIP VIA	
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE	

11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT	
<input type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
a. INSPECTION Destination	b. ACCEPTANCE Destination				

## 17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 006928857 Task Order 6637: Sampling Support: Parker Solvents Company, Inc. Little Rock, AR  This Time and Material Task Order is hereby initiated approving the contractor's Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$55,943.39
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive						\$55,943.39
c. CITY Durham		d. STATE NC	e. ZIP CODE 27711				17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature)

05/18/2017

*Derek Davis*

ELECTRONIC SIGNATURE

23. NAME (Typed)  
Derek Davis  
TITLE: CONTRACTING/ORDERING OFFICER

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO  
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 05/18/2017	CONTRACT NO. EP-W-12-031	ORDER NO. 6637
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>proposal dated May 1, 2017 in the amount of \$55,943.39. Funding in the amount of \$55,943.39 is provided which the contractor is not authorized to exceed. All other terms and conditions remain unchanged and in full force and effect. TOCOR: Flora Greene Max Expire Date: 09/12/2017 Admin Office: SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460 Period of Performance: 05/18/2017 to 09/12/2017</p> <p>Sampling Support: Parker Solvents Company, Inc. Little Rock, AR Requisition No: PR-R6-17-00166, PR-R6-17-00218</p> <p>Accounting Info: 17-18-B-06J-303D99-2505-1706JFR201-001 BFY: 17 EFY: 18 Fund: B Budget Org: 06J Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1706JFR201-001 Funding Flag: Partial Funded: \$48,000.00 Accounting Info: 17-18-B-06J-303D99-2505-1706JFR203-001 BFY: 17 EFY: 18 Fund: B Budget Org: 06J Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1706JFR203-001 Funding Flag: Partial Funded: \$7,943.39</p>				55,943.39	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$55,943.39

**Performance Work Statement**  
**Sampling Support at Parker Solvents Company, Inc. Little Rock, AR**  
Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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CONTRACT NUMBER: EP-W-12-03\_  
CONTRACT NAME: REPA 5  
CONTRACTOR NAME: \_\_\_\_\_  
**REGION 6 TASK ORDER NUMBER: 6637**

March 31, 2017

I. **Title**    **Sampling Support: Parker Solvents Company, Inc. Little Rock, AR**

II. **Contract Officer Representatives**

**EPA Regional Project Officer**

FLORA GREENE  
M/S 6PD-M  
greene.flora@epa.gov  
Work: (214) 665-8428

**EPA Task Order Contract Officer Representative (TOCOR and Co-TOCOR)**

Rick Ehrhart  
M/S 6MM-RC  
ehrhart.richard@epa.gov  
Work: (214) 665-6765

Dorelle Harrison  
M/S 6MM-RC  
harrison.dorelle@epa.gov  
Work: (214) 665-7428

III. **Authorization**

This Performance Work Statement (PWS) is in accordance with Task 2.2 Field Sampling, of the REPA 5, Zone II Contract SOW.

IV. **Period of Performance**

The period of performance for this Task Order (TO) is from the date of Contracting Officer (CO) issuance through September 12, 2017.

V. **Place of Performance**

This task order will involve sampling support at or near the Parker Solvents Company, Inc. (EPA ID# ARD035565068), Little Rock, AR.

VI. **Background**

The facility is located at 8909 Mabelvale Pike, Little Rock, AR 72209 (Figure 1). An overview of Parker Solvents Company, Inc. (PSC) in aerial photography is in figure 2. The approximate facility Ground Water Monitoring Well locations are pictured in figure 3. Parker Solvent Company, Inc. (PSC) of Little Rock, AR, is a solvent blending, temporary bulk storage, sales, and distribution facility. The facility has been in continuous operation

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since 1957 and includes an office/warehouse complex, a solvent blending operation, a wastewater treatment building, and a tank farm to store bulk solvents. The tank farm is constructed within a single containment wall holding 23 above-ground storage tanks, ranging in capacity from 1,000 gallons to 15,100 gallons, and two 1,000-gallon fuel (diesel and gasoline) storage tanks. Solvents are also stored in the warehouse in 55-gallon drums.

PSC is a currently operating underfunded. Chlorinated solvents are the primary sources of contaminants on and off the PSC site resulting from spills and leaks that occurred over a number of years of operation. Arkansas Department of Environmental Quality (ADEQ) personnel conducted a compliance evaluation inspection on August 7, 1991 and determined that hazardous waste and hazardous waste constituents had been released into the environment by PSC and had migrated outside of the facility's boundary (Figure 4). Subsequent sampling results revealed high concentrations of volatile organic compounds (VOCs) in on- and offsite soil, surface water, and groundwater.

**VII. Objective/Purpose**

EPA Region 6 RCRA is primarily working with our states on GPRA 2020 corrective action sites that are stalled in the corrective action process. PSC has been stalled for a number of years, most likely because of the underfunding or lack of funding by PSC. Parker Solvents is a GPRA facility. After sampling the groundwater wells on the PSC site, EPA will provide the groundwater report to EPA Enforcement, ADEQ, and PSC to help expedite the development of the CSM and final remedy. EPA and ADEQ hopes to be in a position to code the facility CA750 and CA 550 by 2020.

The stated goal of the ADEQ groundwater policy and technical guidance is to “protect, enhance and restore groundwater conditions to the maximum beneficial use to the extent technically and economically feasible while maintaining conditions that are protective of human health and the environment”.

The potential for impacts to human health from VOCs migrating to other businesses and private residences has already taken place. Figure 4 shows the VOCs plume to a residential property and the neighboring facility, the Arkansas Highway Patrol building. EPA and ADEQ have worked together to conduct a vapor intrusion assessment for both on-site and off-site structures. The assessment found no vapor intrusion occurring at this time.

PSC has conducted site investigations and interim measures under an ADEQ Consent Administrative Order since 1992. However, little progress has been made on implementing a final site-wide remedy due to financial and technical issues regarding what the remedy should entail. In 2013, ADEQ requested that EPA R6 enforcement take the lead on the site in order to compel the facility to complete site assessment activities and implementation of a final remedy. EPA's 3008(h) consent order is now under review by HQs, and will be filed after that review is complete. The order requires the facility to: 1) reinstate semiannual groundwater monitoring, 2) develop a new corrective measures study (CMS) and 3) implement the EPA approved remedy.

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While the EPA order is under review, ADEQ requested RCRA program support in moving the facility along towards remedy implementation. EPA proposes to conduct the initial round of groundwater monitoring at the site. This will provide an updated baseline, in order for the facility to move forward on the CMS as soon as possible.

**VIII. Assumptions and Constraints**

- The ADEQ will obtain an access agreement for the facility;
- There will be 1 scoping meeting;
- QAPPs and Trip Reports will require 1 revision;
- A contract lab will analyze the samples;
- A Level 3 type data package will be required;
- The contractor may be required to clear light vegetation around certain wells;
- The contractor will be responsible for determining the necessity of and performing utility clearances prior to site activities;
- A geophysical survey of ground water monitoring well locations may be conducted;
- Contractor will collect 30 groundwater samples and QA/QC samples from all viable onsite and offsite monitoring wells (27) at Parker Solvent Company Inc. for VOCs using low-flow sampling procedures;
- The contractor will be responsible for providing containers to store investigation derived waste; (IDW), moving IDW to chosen staging areas, proper labeling of IDW containers, characterization of IDW, and off-site disposal of IDW;
- Sample purge/development water for disposal determination; assume hazardous for costing purposes;
- Analytical results will not be verified and validated by an external 3<sup>rd</sup> party data validator.

**IX. Scope**

**Task 01: Project Management**

The contractor shall prepare and solicit bids from sub-contractors and vendors, identify and make arrangements for project staff as required, and perform other general project management duties under this task. This task is *not* intended to include tasks that would be associated with the general cost of doing business.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor must identify and utilize personnel, subcontractors, and vendors with the requisite training, ability, and knowledge to perform the other tasks within this task order.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 1 will be the performance of staff, subcontractors and vendors to complete the other tasks within this task order.



**Task 02: Preparation of Combined Quality Assurance Project Plan (QAPP) and Field Sampling and Analysis Plan and Health and Safety Plan**

The contractor shall prepare a site-specific combined Quality Assurance Project Plan (QAPP) and Field Sampling and Analysis Plan following the Uniform Federal Policy (UFP) for implementing Environmental Quality Systems for this project. The UFP-QAPP will address all tasks in this Task Order. The contractor shall prepare the UFP-QAPP to present the overall project description, project organization, responsibilities, and objectives associated with the sampling and analysis to be conducted. The UFP-QAPP shall comply with all quality assurance requirements, and one scoping meeting shall be held as part of plan preparation. The contractor shall be prepared to make one revision to the UFP-QAPP as necessary. The UFP-QAPP shall include a clear description of data verification and validation plans and procedures. The contractor will not be required to conduct independent validation of laboratory analytical results.

The contractor shall also prepare a Health and Safety Plan (HASP) regarding the work to be performed, taking into account the type of samples to be collected and the nature of the working conditions. The HASP shall address all applicable regulatory requirements; discuss personnel responsibilities, protective equipment, health and safety procedures and protocols, decontamination procedures, personnel training, and type and extent of medical surveillance. The HASP shall identify potential problems or hazards (known and unknown) that may be encountered and how these are to be addressed.

The draft UFP-QAPP shall be submitted to the TOCOR electronically at least 21 calendar days prior to beginning field activities. The TOCOR will review the draft QAPP and either approves the QAPP as is or provide comments on the draft QAPP. The final QAPP with signatures and the HASP shall be submitted to the TOCOR in electronic and hard copy format at least 7 calendar days prior to beginning field activities.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor shall develop a UFP-QAPP to meet the goals and objectives of this Task Order. The plan must be developed using data quality objectives, the systematic planning process, and related processes presented in Agency quality assurance guidance and policy. The UFP-QAPP must undergo reviews and approval by EPA. The plan must contain all information detailed in the UFP-QAPP manual under the four basic element groups: Project Management Objectives, Measurement/Data Acquisition, Assessment/Oversight, and Data Review. The graded approach may be used to address elements as specified in the UFP-QAPP manual. (The graded approach is the process of establishing the project requirements and level of effort according to the intended use of the results and the degree of confidence needed in the quality of results). The worksheets specified in the UFP-QAPP manual, Table 2, must be provided with the required information. The UFP-QAPP must be complete, technically accurate, and meet the requirements of the UFP-QAPP manual.



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**Sampling Support at Parker Solvents Company, Inc. Little Rock, AR**  
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**ACCEPTABLE LEVEL OF QUALITY:** The measures of quality for Task 2 are EPA quality assurance policy, procedures, and specifications for quality assurance project plans. The acceptable level of quality for the UFP-QAPP is consistency with EPA quality assurance policy, procedures, and specifications.

**Task 03: Groundwater Sampling**

- Re-develop wells prior to sampling, take efforts to minimize purge water;
- Collect a maximum of 30 groundwater samples from viable groundwater monitoring wells;
- The groundwater samples will be analyzed for VOCs using EPA method 8260c and low-flow sampling procedures;
- Monitoring well depth – range from 9-33 feet (average 20 ft.);
- Depth to water – range from 1- 13 feet (avg. 4 ft.);
- Screen length 5 ft. and 10 ft.;
- The groundwater monitoring wells should be gauged for depth to groundwater and total depth to the nearest one-hundredth (0.01) of a foot. The gauging data may be used for determining groundwater gradient and flow direction;
- Collect field duplicates (10%), MS/MSD (as lab required), equipment blanks (1 per day), and field blanks (1 per day);
- Contractor will properly dispose IDW.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor must provide the field sampling and analysis services according to the schedule provided and must be conducted according to standard government and industry practices for sampling and analysis following the field and laboratory specifications and criteria contained in the UFP-QAPP. Analytical data must meet the quality criteria specified in the UFP-QAPP.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 3 will be successful completion of sampling. Deliverables should be of sufficient quality to document the type and location of all samples taken in the field.

**Task 04: Analytical Data Results**

The contractor shall use a private laboratory for groundwater analysis.

When using a contract lab, a routine turnaround time should be requested. The contractor should forward the analytical data package to the TOCOR as soon as it is received.

The contractor will perform a completeness check on the analytical data package which includes the following:

- Data package includes all the samples submitted for analysis;

**Performance Work Statement**  
**Sampling Support at Parker Solvents Company, Inc. Little Rock, AR**  
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- Data package should include all QA/QC results, lab's narrative regarding dilutions, corrective actions and etc.;
- Requested analytical methods were performed;
- Report includes analysis dates, sampling dates, laboratory data qualifiers, qualifier definitions, result units, reporting limits, and detection limits.

The contractor shall compile analytical results as a "Hits Table" in an excel spreadsheet. The table shall include a column of appropriate Residential EPA Regional Screening Levels for groundwater <http://www2.epa.gov/risk/risk-based-screening-table-generic-tables> and EPA groundwater to indoor air screening levels <http://www2.epa.gov/vaporintrusion>. Concentrations that exceed appropriate screening levels shall be highlighted in the tables. Analytical tables shall be submitted electronically within 14 days of receiving the analytical reports from the laboratory.

**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** Analytical data must meet the quality criteria specified in the UFP-QAPP and must meet project quality objectives. The laboratories shall perform the necessary QA/QC requirements according to EPA Method and Standard Method.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 4 will be data completeness (100%).

**Task 05: Trip Report**

The contractor shall prepare a trip report and submit a draft version to the TOCOR in electronic format within 60 calendar days of completion of field activities. The TOCOR will review the draft trip report and will either approve the report as is or provide comments on the draft report. The final trip report shall be submitted to the TOCOR in electronic and hard copy format within 14 calendar days of receipt of the TOCOR's approval of or comments on the draft report.

Based on the field work performed at each facility, the trip reports may contain the following:

- Short description of the objectives and methodology of sampling;
- Discussion about any problems encountered during the field events and deviations from the sampling and analysis plan (UFP-QAPP);
- Personnel participating in the field events and regulatory agency staff onsite during field events;
- Copy of well reports submitted to the State for groundwater monitoring wells;
- Well construction diagrams for groundwater monitoring wells sampled (as provided by the State);
- Well development information;
- A table which includes information about each sample (sample id, sample location, sample date/time, analyses performed);
- Map(s) showing sample, groundwater monitoring well;

**Performance Work Statement**  
**Sampling Support at Parker Solvents Company, Inc. Little Rock, AR**  
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- Tables (for each well sampled) of groundwater parameters and other information monitored during low-flow purging including: approximate depth to pump intake, time, depth to water, flow rate, pH, temperature, specific conductance, oxidation-reduction potential, dissolved oxygen, and turbidity;
- Tables of analytical results (same as prepared under Task 4);
- Information on investigation derived waste (approximate volume of waste and number of drums, staging area, disposal plans/information);
- Chain-of-custody documentation;
- Copy of field logbooks;
- Survey results for groundwater monitoring wells;
- Photographic log of the sampling and/or installation event; and
- A cd(s) containing the laboratory analytical reports.

**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** The Report must be well organized, legible, clear, and contain all data and documentation obtained during the project. Other than copies of field log books, chain-of-custody, and laboratory provided reports, the report and all attachments shall be type written, unless handwritten attachments are preapproved by the TOCOR.

**ACCEPTABLE LEVEL OF QUALITY:** The source of measurements for Task 5 is conventions for standard written English (spelling, punctuation, usage, etc.) and technical writing. The report must conform to standard conventions and be professionally written.

X. **Performance Measures and Quality Assurance**

The contractor shall be adequately prepared before going into the field including but not limited to: appropriate field staff with required training and knowledge, appropriate field equipment, and familiarity with site conditions and requirements of the QAPP. The contractor shall use detailed logbooks and photographs to support observations and activities in the field.

The contractor shall coordinate and integrate all activity needed to provide the required support (e.g., problem identification/resolution strategy, responses to inquiries, and/or technical, service, administrative issues, etc.) in a timely, complete and effective manner. The contractor shall use quality assurance monitoring tools to ensure technical support and deliverables meet contract and task order requirements.

Deliverables shall meet the schedule and cost presented in the task order. Written deliverables shall reflect a good command of the English language, be well-organized, and free of grammatical errors, misspellings and incomplete sentences. As required, written deliverables shall also have high-quality professional graphics. Preparation and printing of materials shall be in accordance with GPO guidelines.

The contractor shall utilize staff with the appropriate level of education and work experience to meet the task order requirements. Specialized and/or expert staff must

**Performance Work Statement**  
**Sampling Support at Parker Solvents Company, Inc. Little Rock, AR**  
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meet the minimum requirements as identified in the individual task orders. Contractor staff shall demonstrate a high level of professionalism.

**XI. Technical Direction**

The TOCOR is authorized to provide technical direction, which clarifies the PWS. Technical direction must be within the scope of the contract and the TO. Technical direction is instruction to the contractor that approves approaches, solutions, designs, or refinements; fills in details; completes the general description of work or documentation items; shifts emphasis among work areas or tasks; or provides similar guidance. It includes evaluation of contractor performance and comments on deliverables.

The TOCOR shall issue technical direction in writing or confirm in writing within five (5) calendar days after verbal issuance. The TOCOR shall forward copies of the technical direction to the Contracting Officer (CO) and RTOCOR.

The CO is the only person authorized to make changes to the TO or contract. Any changes to the TO scope, period of performance or deliverable due dates must be approved by the CO in writing.

**XII. Schedule of Deliverables**

The duplication of more than 5,000 copies of a single page or 25,000 or more total impressions is considered "printing" and, therefore, prohibited. For more information on restrictions relating to deliverables, the Contractor is referred to the EPA Publication Management Guide (EPA-175-K-92-011).

**SUMMARY OF DELIVERABLES AND DUE DATES**

<u>DELIVERABLES</u>	<u>TASK NO.</u>	<u>NO. OF COPIES*</u>	<u>DUE DATE*</u>
UFP-QAPP and HASP	Task 2	Draft QAPP – electronic	Submit draft UFP-QAPP 21 days prior to beginning field activities.
		Final QAPP and HSP – electronic and one (1) hard copy	Submit final UFP-QAPP and HASP 7 days prior to beginning field activities.
Field Activities Groundwater Sampling	Task 3	N/A	Field activities will be scheduled.

**Performance Work Statement**  
**Sampling Support at Parker Solvents Company, Inc. Little Rock, AR**  
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Waste Disposal	Task 3	N/A	All wastes shall be disposed of within 60 days of the conclusion of sampling.
Analytical data results	Task 4	Tables of compiled analytical results-electronic	Submit analytical data package as soon as it is received from the lab.  Submit tables of compiled analytical results within 14 days of receipt of analytical reports from the lab. Submit final tables of compiled analytical results with draft and final Trip Report.
Trip Report	Task 5	Draft – electronic Final – electronic and one (1) hard copy	Submit draft Trip Report within 60 days of completion of field activities.  Submit final Trip Report within 14 days of receiving TOCOR's approval/comments on draft Trip Report.

\*Notes:

Final electronic copies should be in word and pdf format.

All days are calendar days unless otherwise specified. (All hard copy reports should be double sided.)

**Figure 1**

**Parker Solvents Company, Inc**  
**8909 Mabelvale Pike**  
**Little Rock, AR 72209**



Performance Work Statement  
Sampling Support at Parker Solvents Company, Inc. Little Rock, AR  
Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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Parker Solvents Inc.  
Facility Aerial Overview

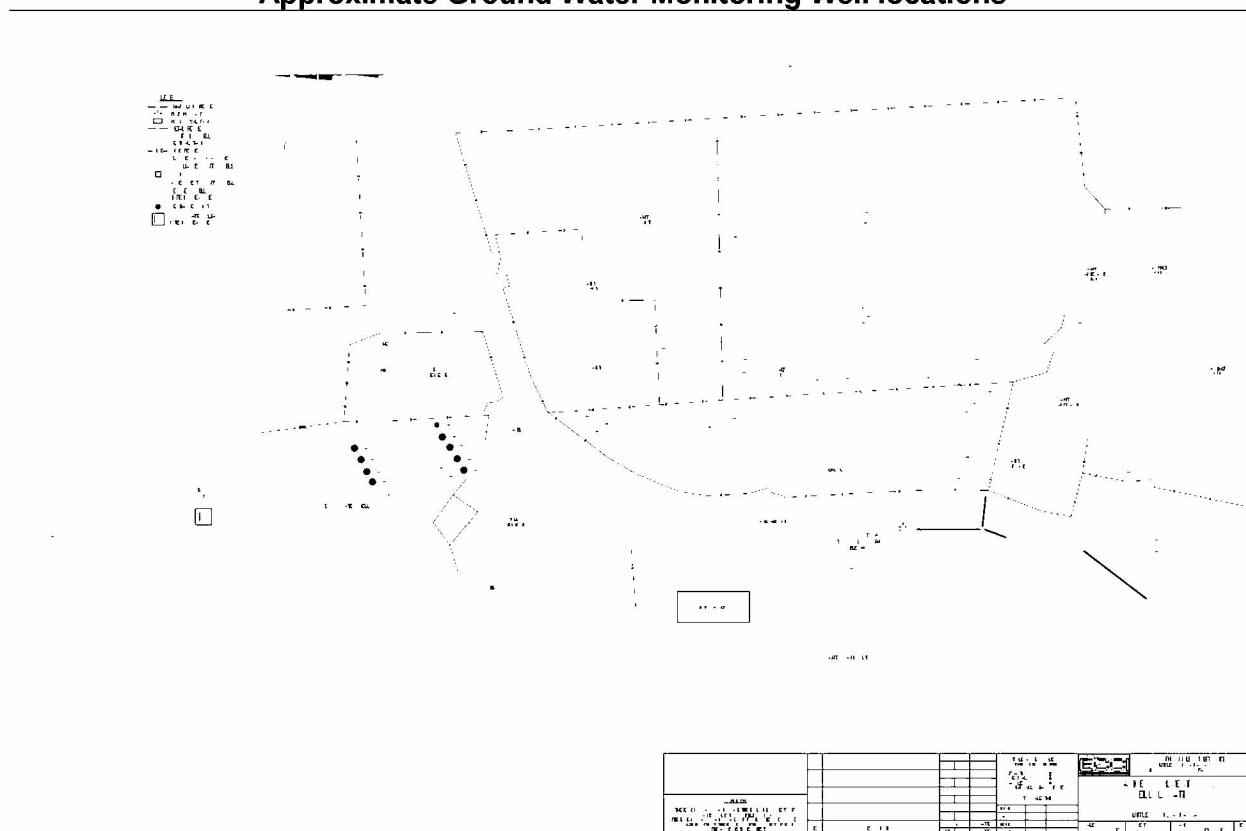


Figure 3

**Performance Work Statement**  
**Sampling Support at Parker Solvents Company, Inc. Little Rock, AR**  
 Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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**Parker Solvents Inc.**  
**Approximate Ground Water Monitoring Well locations**



**Figure 4**



**Parker Solvents Inc.  
VOCs offsite migration**



<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 1	
2. AMENDMENT/MODIFICATION NO. 001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY CODE SRRPOD		7. ADMINISTERED BY (If other than Item 6) CODE	
SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460		8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) BOOZ ALLEN HAMILTON INC. Attn: (b)(4) 8283 GREENSBORO DRIVE MCLEAN VA 221023838		9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 9C. DATED (SEE ITEM 11) 9D. DATED (SEE ITEM 11) 9E. DATED (SEE ITEM 11) 9F. DATED (SEE ITEM 11) 9G. DATED (SEE ITEM 11) 9H. DATED (SEE ITEM 11) 9I. DATED (SEE ITEM 11) 9J. DATED (SEE ITEM 11) 9K. DATED (SEE ITEM 11) 9L. DATED (SEE ITEM 11) 9M. DATED (SEE ITEM 11) 9N. DATED (SEE ITEM 11) 9O. DATED (SEE ITEM 11) 9P. DATED (SEE ITEM 11) 9Q. DATED (SEE ITEM 11) 9R. DATED (SEE ITEM 11) 9S. DATED (SEE ITEM 11) 9T. DATED (SEE ITEM 11) 9U. DATED (SEE ITEM 11) 9V. DATED (SEE ITEM 11) 9W. DATED (SEE ITEM 11) 9X. DATED (SEE ITEM 11) 9Y. DATED (SEE ITEM 11) 9Z. DATED (SEE ITEM 11) 9AA. DATED (SEE ITEM 11) 9AB. DATED (SEE ITEM 11) 9AC. 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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)  
See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Mutual Agreement of the Parties
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not. ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 006928857

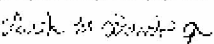
Task Order 6637: Sampling Support: Parker Solvents Company, Inc. Little Rock, AR

TOCOR: Flora Greene Max Expire Date: 10/31/2017

The purpose of this modification is to issue a no cost period of performance extension from September 12, 2017 to October 31, 2017.

Period of Performance: 05/18/2017 to 10/31/2017

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Derek Davis	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 08/23/2017

# ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 08/24/2017		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO: a. NAME OF CONSIGNEE Region 6	
3. ORDER NO. 6638		4. REQUISITION/REFERENCE NO. See Schedule			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency 1445 Ross Avenue Suite 1200	
				c. CITY Dallas	e. ZIP CODE 75202-2733
7. TO: (b)(4)				f. SHIP VIA	
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if anv. including delivery as indicated.	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE	

11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT	
<input type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
a. INSPECTION Destination	b. ACCEPTANCE Destination				

## 17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 006928857 Task Order 6638: Institutional Controls file review for Louisiana GPRA sites with final site-wide remedies constructed (CA550/CA550NR/CA550RC)  Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$32,725.20
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive						
	c. CITY Durham				d. STATE NC	e. ZIP CODE 27711	17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature)

08/24/2017

*Derek Davis*

ELECTRONIC SIGNATURE

23. NAME (Typed)  
Derek Davis  
TITLE: CONTRACTING/ORDERING OFFICER

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO  
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 08/24/2017	CONTRACT NO. EP-W-12-031	ORDER NO. 6638
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>This Time and Material Task Order is hereby initiated approving the contractor's proposal dated August 2, 2017 in the amount of \$32,725.20. Funding in the amount of \$32,725.20 is provided which the contractor is not authorized to exceed. All other terms and conditions remain unchanged and in full force and effect.</p> <p>TOCOR: Flora Greene Max Expire Date: 09/12/2017</p> <p>Admin Office: SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460</p> <p>Period of Performance: 08/24/2017 to 09/12/2017</p> <p>Institutional Controls file review for Louisiana GPRA sites with final site-wide remedies constructed (CA550/CA550NR/CA550RC)</p> <p>Requisition No: PR-R6-17-00243, PR-R6-17-00379</p> <p>Accounting Info: 17-18-B-06J-303D99-2505-1706JFR204-001 BFY: 17 EFY: 18 Fund: B Budget Org: 06J Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1706JFR204-001 Funding Flag: Partial Funded: \$25,000.00</p> <p>Accounting Info: 17-18-B-06J-303D99-2505-1706JFR210-001 BFY: 17 EFY: 18 Fund: B Budget Org: 06J Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1706JFR210-001 Funding Flag: Partial Funded: \$7,725.20</p>				32,725.20	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$32,725.20

**Performance Work Statement  
Institutional Controls file review for GPRA sites with final site-wide remedies constructed  
(CA550/CA550NR/CA550RC)**

Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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CONTRACT NUMBER: \_\_\_\_\_

CONTRACT NAME: REPA 5

CONTRACTOR NAME: \_\_\_\_\_

**REGION 6 TASK ORDER NUMBER: 6638**

July 24, 2017 (Updated)

**Title**

**Institutional Controls file review for Louisiana GPRA sites with final site-wide remedies constructed (CA550/CA550NR/CA550RC)**

**Contract Officer Representatives**

**EPA Regional Project Officer**

Flora Greene  
M/S 6PD-M  
greene.flora@epa.gov  
Work: (214) 665-8428

**EPA Task Order Contract Officer Representative (TOCOR)**

Noel Bennett  
M/S 6MM-RC  
Bennett.noel@epa.gov  
Work: (214) 665-8514

**EPA co-Task Order Contract Officer Representative (co-TOCOR)**

Rick Ehrhart  
M/S 6MM-RC  
Ehrhart.richard@epa.gov  
Work: (214) 665-6765

**Authorization**

This Performance Work Statement (PWS) is in accordance with Task 1, Technical Review and Analysis/Assessment Reports of the REPA 5, Zone II Contract SOW.

**Period of Performance**

The period of performance for this Task Order (TO) is from the date of Contracting Officer (CO) issuance through January 31, 2018.

**Performance Work Statement  
Institutional Controls file review for GPRA sites with final site-wide remedies constructed  
(CA550/CA550NR/CA550RC)**

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### **Place of Performance**

This task order will involve reviewing Institutional Control documentation in LDEQ files via the LDEQ Electronic Data Management System (EDMS), therefore no travel to Louisiana will be necessary.

### **Background**

Long-Term Stewardship (LTS) issues impact nearly every state since many GPRA cleanup sites throughout the nation have residual contamination that does not allow for unrestricted use. Government agencies, both Federal and state, have a responsibility for ensuring compliance with environmental laws and protection of public health and the environment.

LTS concepts generally include: the establishment and maintenance of both physical controls and non-physical (i.e., institutional) controls, or ICs; the entities responsible for their implementation; legal authorities to restrict certain uses or activities; accountability mechanisms such as deed notices or restrictive covenants; information and data management systems for tracking purposes, and the necessary resources (staff and money) to ensure that cleanup sites with residual contamination remain protective as long as waste remains in place and controls are needed to ensure protectiveness.

### **Objective/Purpose**

EPA Region 6 states require ICs in the form of deed notices, deed restrictions, etc., to be filed in county or parish records when waste is left in place above unrestricted use. The purpose of this project is to conduct a file review of GPRA facilities in Louisiana that have final site-wide remedies constructed (CA550/CA550NR/CA550RC) and accomplish the following: identify every unit at each facility that requires ICs, make an electronic copy (PDF) of the IC documentation found, and produce an IC Table summarizing the IC documentation. EPA anticipates that there will be no or little interaction with state corrective action staff during the file review.

This project would specifically involve the contractor reviewing the IC documentation for 37 facilities in Louisiana conducted online using LDEQ's EDMS.

EPA will use the information collected to update RCRAInfo and will work with Louisiana on corrective measures, if deed notices or restrictions are missing.

### **Assumptions and Constraints**

There will be 1 scoping meeting; EPA will provide a facility list showing types of ICs and a reference document (see attachment 1); EPA will provide additional, existing information on the ICs for the 37 facilities on the Facility List (see attachments 2 and 3). These 37 facilities have approximately 455 individual units. Task 2, Element 2, File Review and Task 2, Element 3, Summary IC Table will be performed on a portion of the facilities at a time. Each portion of the draft Summary IC Table will require 1 revision. Conduct the File Review for the 1st fifteen (15) facilities listed on the Facility List and prepare the Summary IC Table for the 1st fifteen (15)

**Performance Work Statement**  
**Institutional Controls file review for GPRA sites with final site-wide remedies constructed**  
**(CA550/CA550NR/CA550RC)**  
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facilities listed on the Facility List. Perform no work on the remaining facilities on the Facility List until directed by EPA to do so.

## **Scope**

### **Task 01: Project Management**

The contractor shall prepare and solicit bids from sub-contractors and vendors, identify and make arrangements for project staff as required, and perform other general project management duties under this task. This task is not intended to include tasks that would be associated with the general cost of doing business.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor must identify and utilize personnel, subcontractors, and vendors with the requisite training, ability, and knowledge to perform the other tasks within this task order.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 1 will be the performance of staff, subcontractors and vendors to complete the other tasks within this task order.

### **Task 02: Conduct and EDMS file review; provide IC documentation in PDF format, and develop the Summary IC Table**

This Task consists of three elements:

1. The contractor will arrange and conduct an informational call with the appropriate EPA and State staff to discuss the file review process and how to optimize the file search for IC documentation.
2. The contractor will review all relevant facility/site files/records for IC documents. Facility/site files/records necessary for this Task are accessible via LDEQ's online system at <http://www.deq.louisiana.gov/portal/ONLINESERVICES/ElectronicDocumentManagementSystem.aspx>. The contractor will provide to EPA on a CD/DVD in Adobe PDF format all relevant IC documentation obtained. All documents will be identified with the LDEQ EDMS AI number, LDEQ EDMS document number, date, and facility name. Only provide relevant pages of a document. For example, for a large report, extract only the relevant IC documentation pages. Assume that approximately 2 documents per unit on average will need to be reviewed. However, this may vary greatly. Some units may have no relevant documents and some may have many relevant documents. More documents than the average 2 per unit will need to be briefly looked at and screened to select relevant documents to actually review.



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(CA550/CA550NR/CA550RC)**

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3. The contractor will develop a Table summarizing the IC documentation. The Table will include a row for each facility containing the Facility Name (include any name changes or other names), EPA ID#, and LDEQ AI#. For each facility, a row will be added for each unit at the facility. Also determine and identify any units which require ICs but don't have them in place. The row for each unit will include the following ~~columns~~ of information: (1) Unit number/name (including aliases), (2) Unit description (for example, oil water separator, construction rubble landfill, etc.), (3) Types of contaminants of concern remaining above human health risk levels and impacted media (for example, metals in soil and groundwater, PCBs in soil, chlorinated VOCs in groundwater, etc.), (4) RCRAInfo code for IC Type (per attachment), (5) IC description (indicate whether IC is site-wide or for the unit only. Also include description of any Land Use Controls such as signage, fences, education, etc. Also include any requirements or provisions for inspection, keeping track or maintenance of the ICs or LUCs.) (6) Proof of Implementation (date, book/page of filing in Parish Records or other appropriate proof/certification). See Attachment for IC types and codes, and location on the internet of the EPA IC guidance document. The purpose of ICs is long-term protectiveness. Add any comments about IC protectiveness, regarding adequacy or inadequacy. For example, maybe no ICs for the unit, but the unit is fenced. Comments and/or clarifications about ICs may be added in any of the rows or columns in the Table or in rows or columns added for the purpose of adding comments and/or clarifications. The contractor will provide a sample page(s) of the Table before populating the entire Table.

Cost and labor for each Task 2 sub-element above should be priced separately.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The PDF files and Summary IC Table must be legible, clear, and contain all relevant data and documentation obtained during the project. All other documentation shall be type written.

**ACCEPTABLE LEVEL OF QUALITY:** A review of the facility records will allow the contractor to copy/reproduce facility IC documents and complete the Summary IC Table.

**Schedule of Deliverables**

The duplication of more than 5,000 copies of a single page or 25,000 or more total impressions is considered "printing" and, therefore, prohibited. For more information on restrictions relating to deliverables, the Contractor is referred to the EPA Publication Management Guide (EPA-175-K-92-011).



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**(CA550/CA550NR/CA550RC)**

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**SUMMARY OF DELIVERABLES AND DUE DATES**

<b>Deliverables</b>	<b>Task No. 2</b>	<b>No. of Copies</b>	<b>Due Date</b>
Conference call	Element 1	-	To be scheduled
Conduct File Review/Provide IC Documents	Element 2	1 Electronic copy	To be scheduled
Draft Summary IC Table	Element 3	1 Electronic copy	30 days after completion of each portion of file review
Final Summary IC Table	Element 3	1 Electronic copy	14 days after receiving comments from EPA on draft of each portion of Table

**\*Notes:**

Draft and Final electronic copy of the Summary IC Table should fit on 8.5" by 11" pages with portrait orientation. Facility IC documentation should be provided as PDF files. All days are calendar days unless otherwise specified.

**Performance Work Statement  
Institutional Controls file review for GPRA sites with final site-wide remedies constructed  
(CA550/CA550NR/CA550RC)**

Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

**Attachment 1**

**Facility List**

Handler ID	Name	CA 400 Date	CA 550 Date	CA 725 Date	CA 750 Date	CA 800 Date	CA 900/999 Date
LAD058472721	AMAX METALS RECOVERY, INC.	CA400 - 12/17/2007	CA550RC - 4/2/2008	CA725YE - 6/30/2003	CA750YE - 6/30/2003	CA800YE - 9/30/2008	CA900CR - 3/14/2016
LAD980621379	CAVENHAM FOREST INDUSTRIES, INC.	CA400 - 3/31/2009	CA550RC - 3/31/2009	CA725YE - 12/8/2009	CA750YE - 12/8/2009	CA800YE - 9/29/2011	
LAD000618298	CECOS INTERNATIONAL INC. LIVINGSTON FACILITY	CA400 - 5/19/2006	CA550RC - 5/19/2006	CA725YE - 3/30/2001	CA750YE - 3/30/2001		
LAD000618256	CECOS INTERNATIONAL, INC. - CALCASIEU FACILITY	CA400 - 6/17/2008	CA550RC - 2/18/2011	CA725YE - 5/23/2003	CA750YE - 5/23/2003		
LAD008179707	CHALMETTE REFINING LLC	CA400 - 12/20/2012	CA550RC - 9/17/2013	CA725YE - 3/9/2004	CA750YE - 6/30/2004	CA800YE - 2/2/2015	
LAD000777201	CHEMICAL WASTE MANAGEMENT	CA400 - 6/30/2010	CA550RC - 10/1/2010	CA725YE - 1/31/2011	CA750YE - 1/31/2011	CA800YE - 8/23/2011	CA900CR - 8/10/2010
LAD010395127	CLEAN HARBORS BATON ROUGE	CA400 - 2/29/2008	CA550RC - 3/24/2014	CA725YE - 9/28/2001	CA750YE - 6/22/2001		
LAD981055791	CLEAN HARBORS COLFAX	CA400 - 6/28/2013	CA550NR - 6/28/2013	CA725YE - 5/1/2012	CA750YE - 5/1/2012	CA800YE - 7/30/2013	CA900CR - 2/12/2015
LAD008184616	COLFAX TREATING COMPANY LLC	CA400 - 6/29/2007	CA550RC - 1/4/2008	CA725YE - 6/29/2001	CA750YE - 6/29/2001	CA800YE - 9/26/2013	
LAD008175390	CORNERSTONE CHEMICAL COMPANY	CA400 - 6/21/2012	CA550RC - 3/26/2015	CA725YE - 9/22/2000	CA750YE - 9/22/2000	CA800YE - 3/22/2016	CA900CR - 3/21/2016
LAD079464095	CROWLEY DISPOSAL LLC	CA400 - 1/29/2010	CA550RC - 5/5/2010	CA725YE - 3/31/2004	CA750YE - 3/31/2004	CA800YE - 9/30/2010	
LAD008188583	DELTECH CORPORATION	CA400 - 3/31/2011	CA550RC - 3/31/2011	CA725YE - 4/17/2002	CA750YE - 6/28/2002	CA800YE - 4/21/2014	
LAD055792097	DIXIE METALS CORP	CA400 - 8/15/2005	CA550RC - 12/12/2007	CA725YE - 6/30/2005	CA750YE - 6/30/2005	CA800YE - 9/30/2010	CA900CR - 2/23/2015
LAD001890367	E.I. DUPONT DE NEMOURS & CO.	CA400 - 12/17/2008	CA550RC - 12/17/2008	CA725YE - 3/16/2012	CA750YE - 3/16/2012	CA800YE - 9/18/2012	
LAD008086506	EAGLE US 2 LLC	CA400 - 6/25/2010	CA550RC - 9/28/2015	CA725YE - 6/30/2004	CA750YE - 6/25/2004		
LAD008184137	EXIDE TECHNOLOGIES, BATON ROUGE RECYCLING CENTER	CA400 - 6/23/2015	CA550RC - 5/31/2016	CA725YE - 7/2/2002	CA750YE - 3/20/2002		
LAD000778381	EXXONMOBIL B.R. PLASTICS PLANT	CA400 - 3/28/2008	CA550NR - 4/3/2008	CA725YE - 6/26/2002	CA750YE - 6/26/2002	CA800YE - 9/30/2009	CA900CR - 2/2/2015
LAD065470916	GALATA CHEMICALS	CA400 - 6/29/2007	CA550RC - 6/29/2007	CA725YE - 3/27/2002	CA750YE - 3/27/2002	CA800YE - 8/16/2011	CA900CR - 1/25/2011

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LAD086478047	GEORGIA GULF LAKE CHARLES, LLC	CA400 - 2/1/2010	CA550RC - 5/17/2011	CA725YE - 3/31/2003	CA750YE - 3/31/2003	CA800YE - 6/11/2013	CA900CR - 2/18/2015
LAR000003483	GEORGIA PACIFIC CORP PLAQUEMINE	CA400 - 6/20/2008	CA550RC - 1/21/2010	CA725YE - 12/20/2007	CA750YE - 6/27/2007		
LAD980622104	HEXION INC	CA400 - 6/29/2011	CA550RC - 6/29/2011	CA725YE - 6/26/2002	CA750YE - 6/26/2002	CA800YE - 12/13/2011	
LAD010390599	INGEVITY SOUTH CAROLINA, LLC - DERIDDER FACILITY	CA400 - 2/14/2006	CA550RC - 2/14/2006	CA725YE - 9/22/2000	CA750YE - 9/22/2000	CA800YE - 8/2/2011	CA900CR - 3/1/2010
LAD081999724	MARATHON PETROLEUM COMPANY LP - LRD	CA400 - 11/29/2006	CA550RC - 11/29/2006	CA725YE - 9/22/1999	CA750YE - 9/22/1999	CA800YE - 9/30/2009	CA900CR - 3/1/2010
LAD008181927	MICRO CHEMICAL COMPANY, INC.	CA400 - 3/28/2012	CA550RC - 3/28/2012	CA725YE - 3/6/2012	CA750YE - 3/6/2012	CA800YE - 9/30/2010	
LAD001700756	MONSANTO LULING FACILITY	CA400 - 2/26/2007	CA550RC - 2/26/2007	CA725YE - 3/30/2001	CA750YE - 3/30/2001	CA800YE - 9/27/2011	
LAD065485146	MOTIVA ENTERPRISES LLC	CA400 - 12/15/2008	CA550NR - 12/15/2008	CA725YE - 11/6/2008	CA750YE - 11/6/2008	CA800YE - 9/30/2009	
LAD008186579	MOTIVA ENTERPRISES LLC - NORCO REFINERY	CA400 - 6/30/2011	CA550RC - 6/30/2011	CA725YE - 12/30/2002	CA750YE - 12/30/2002	CA800YE - 9/20/2011	
LAD050901669	NALCO COMPANY	CA400 - 6/30/2009	CA550RC - 6/30/2009	CA725YE - 6/24/2010	CA750YE - 6/24/2010	CA800YE - 9/20/2011	CA900CR - 2/16/2015
LAD092681824	OCCIDENTAL CHEMICAL CORPORATION GEISMAR FACILITY	CA400 - 9/25/2009	CA550RC - 10/30/2009	CA725YE - 3/9/2005	CA750YE - 3/9/2005	CA800YE - 9/30/2010	
LAD062666540	OLIN CHLOR ALKALI PRODUCTS	CA400 - 9/24/2013	CA550OF - 9/24/2013	CA725YE - 8/15/2013	CA750YE - 8/15/2013	CA800YE - 3/27/2014	
LAD056024391	PHILLIPS 66 COMPANY - ALLIANCE REFINERY	CA400 - 6/26/2012	CA550RC - 6/26/2012	CA725YE - 10/31/2000	CA750YE - 9/28/2000	CA800YE - 9/19/2012	
LAD981514441	PPG INDUSTRIES NO 5 INCINERATOR	CA400 - 12/20/2005	CA550 - 12/20/2005	CA725YE - 6/12/2000	CA750YE - 6/12/2000	CA800YE - 9/30/2007	CA999NF - 1/6/2006
LAD053783445	SYNGENTA CROP PROTECTION, LLC	CA400 - 12/18/2009	CA550RC - 1/6/2010	CA725YE - 9/17/1999	CA750YE - 9/17/1999	CA800YE - 9/30/2010	
LAD057109449	UOP LLC	CA400 - 6/28/2013	CA550RC - 6/29/2015	CA725YE - 6/12/2009	CA750YE - 6/12/2009		
LAD008058471	VALERO REFINING - MERAUX L.L.C.	CA400 - 6/20/2013	CA550RC - 9/24/2013	CA725YE - 6/28/2001	CA750YE - 6/28/2001		
LAD062644778	VALERO REFINING CO NEW ORLEANS LLC - GATX TERMINAL	CA400 - 3/31/2011	CA550OF - 6/28/2013	CA725YE - 6/30/2006	CA750YE - 6/30/2006	CA800YE - 6/12/2015	
LAD000225862	VALERO REFINING-NEW ORLEANS L.L.C.	CA400 - 6/30/2014	CA550RC - 6/30/2014	CA725YE - 6/25/2004	CA750YE - 6/30/2004	CA800YE - 7/9/2014	

**Performance Work Statement**  
**Institutional Controls file review for GPRA sites with final site-wide remedies constructed**  
**(CA550/CA550NR/CA550RC)**  
Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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RCRAInfo IC Types (Attachment 2)

CA772EP – Institutional Controls Established – Enforcement and Permit Tools

CA772GC – Institutional Controls Established – Governmental Control

CA772ID – Institutional Controls Established – Informational Device

CA772PR – Institutional Controls Established – Proprietary Control

EPA IC Reference Guidance Document

<https://www.epa.gov/fedfac/institutional-controls-guide-planning-implementing-maintaining-and-enforcing-institutional>

EPA Provided IC Information (Attachment 3)

PDF files for existing information on ICs for the 37 Louisiana facilities furnished by EPA:  
Louisiana Comprehensive CA Report for 37 CA550 Facilities July 2017.pdf  
Louisiana IC 37 Facilities.pdf

The above referenced IC PDF files are not to be cited as source materials in the IC Table.  
Information in the IC Table and cited sources are to be from the LDEQ file system.

EP-W-12-031 TASK ORDER 6638 MOD SUMMARY

Mod #	Reason For Modification	Award Date	Obligation	Total Amount
P00002	Supplemental Agreement for work within scope	1/22/2018	\$0.00	\$0.00
BASE		8/24/2017	\$32,725.20	\$32,725.20
003	Supplemental Agreement for work within scope	3/27/2018	\$0.00	\$0.00
001	Supplemental Agreement for work within scope	8/31/2017	\$0.00	\$0.00
				<b>\$32,725.20</b>

# ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 08/04/2017		2. CONTRACT NO. (If any) EP-W-12-031		6. SHIP TO: a. NAME OF CONSIGNEE Region 6	
3. ORDER NO. 6640		4. REQUISITION/REFERENCE NO. See Schedule			
5. ISSUING OFFICE (Address correspondence to) SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency 1445 Ross Avenue Suite 1200	
				c. CITY Dallas	e. ZIP CODE 75202-2733
7. TO: (b)(4)				f. SHIP VIA	
a. NAME OF CONTRACTOR BOOZ ALLEN HAMILTON INC.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR:  Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 8283 GREENSBORO DRIVE				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY MCLEAN		e. STATE VA	f. ZIP CODE 221023838		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE	

11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT	
<input type="checkbox"/> a. SMALL	<input type="checkbox"/> b. OTHER THAN SMALL	<input type="checkbox"/> c. DISADVANTAGED	<input type="checkbox"/> d. WOMEN-OWNED	<input type="checkbox"/> e. HUBZone	
<input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED	<input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM		<input type="checkbox"/> h. EDWOSB		
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
a. INSPECTION Destination	b. ACCEPTANCE Destination				

## 17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 006928857 Task Order 6640: Sampling and Analysis Support: North May Dry Cleaners, Ok. City, OK  This Time and Material Task Order is hereby Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$89,781.39
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center Mail Drop D143-02 109 TW Alexander Drive						\$89,781.39
c. CITY Durham		d. STATE NC	e. ZIP CODE 27711				17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature)

08/04/2017

*Derek Davis*

ELECTRONIC SIGNATURE

23. NAME (Typed)  
Derek Davis  
TITLE: CONTRACTING/ORDERING OFFICER

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO  
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 08/04/2017	CONTRACT NO. EP-W-12-031	ORDER NO. 6640
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>initiated approving the contractor's proposal dated July 18, 2017 in the amount of \$89,781.39. Funding in the amount of \$89,781.39 is provided which the contractor is not authorized to exceed. All other terms and conditions remain unchanged and in full force and effect.</p> <p>TOCOR: Flora Greene Max Expire Date: 09/12/2017</p> <p>Admin Office: SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460</p> <p>Period of Performance: 08/04/2017 to 09/12/2017</p> <p>Sampling and Analysis Support: North May Dry Cleaners, Ok. City, OK Requisition No: PR-R6-17-00246, PR-R6-17-00339</p> <p>Accounting Info: 17-18-B-06J-303D99-2505-1706JFR206-001 BFY: 17 EFY: 18 Fund: B Budget Org: 06J Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1706JFR206-001 Funding Flag: Partial Funded: \$32,000.00</p> <p>Accounting Info: 17-18-B-06J-303D99-2505-1706JFR209-001 BFY: 17 EFY: 18 Fund: B Budget Org: 06J Program (PRC): 303D99 Budget (BOC): 2505 DCN - Line ID: 1706JFR209-001 Funding Flag: Partial Funded: \$57,781.39</p>				89,781.39	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$89,781.39

**Performance Work Statement  
Sampling and Analysis North May Dry Cleaners, Oklahoma City, OK**

Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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CONTRACT NUMBER: EPW-12-031

CONTRACT NAME: REPA

CONTRACTOR NAME:

TBD: Booz Allen Hamilton

**REGION 6 TASK ORDER NUMBER:**

**6640**

September 5, 2017 ~~June 27, 2017~~

I. **Title**    **Sampling and Analysis Support: North May Dry Cleaners, Ok. City, OK**

II. **Contract Officer Representatives**

**EPA Regional Project Officer**

FLORA GREENE

M/S 6PD-M

greene.flora@epa.gov

Work: (214) 665-8428

**EPA Task Order Contract Officer Representative (TOCOR and Co-TOCOR)**

Gary Miller

M/S 6MM-RC

miller.gary@epa.gov

Work: (214) 665-8306

Rich Mayer

M/S 6MM-RC

mayer.richard@epa.gov

Work: (214) 665-7442

III. **Authorization**

This Performance Work Statement (PWS) is in accordance with Task 2.2 Field Sampling, of the REPA 5, Zone II Contract PWS.

IV. **Period of Performance**

The period of performance for this Task Order (TO) is from the date of Contracting Officer (CO) issuance through February 28, 2018 ~~September 12, 2017~~.

V. **Place of Performance**

This task order will involve sampling and analysis support near the North May Dry Cleaners (No EPA ID#), located at 6003 North May Avenue, Oklahoma City, OK.

VI. **Background**

VII. **Objective/Purpose**

This is an active dry cleaner site in Oklahoma City, OK. Release to groundwater has been confirmed onsite. ODEQ is requesting EPA's assistance in performing additional



**Performance Work Statement  
Sampling and Analysis North May Dry Cleaners, Oklahoma City, OK**

Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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offsite investigations to confirm ODEQ concerns about the possible encroachment of the plume outside the facility boundary and possibly underneath a residential neighborhood. ODEQ requests that EPA install up to six monitoring wells to delineate the extent of the groundwater contamination. Based upon the groundwater results, EPA will determine if the contractor will conduct limited passive soil gas sampling in areas offsite. Eighteen (18) passive soil gas samples will be deployed to evaluate the soil gas plume.

The results of this investigation will either confirm ODEQ concerns about the possible encroachment of the plume towards the residences, by providing the information needed to require the facility to take a more active role in addressing the contamination.

**VIII. Assumptions and Constraints**

- The ODEQ will obtain access agreements for all private properties where passive soil gas locations and groundwater monitoring wells will be installed;
- ODEQ will obtain any necessary right of way approvals;
- There may be three ~~two~~ trips. The first trip will be for the installation and sampling of groundwater monitoring wells, and the second, if needed for the passive soil gas installation and the third, if needed to retrieve the passive soil gas samples;
- The contractor will retrieve the passive soil gas samples and have them shipped to the vendor selected by the contractor. The contractor will pay for all associated shipping costs and the containers to be shipped; the contractor will also fill the soil gas sample locations with bentonite clay pellets;
- There may be 2 scoping meetings; One for the passive soil gas sampling (if conducted) and one for the groundwater well installation and sampling trip;
- QAPP and Trip Report will require 1 revision;
- A contract lab will analyze the samples;
- A Level 3 type data package will be required;
- The EPA TOCOR or DEQ personnel will determine passive soil gas and groundwater monitoring well installation locations. If overhead or underground utilities or any other obstructions such as vegetation, are discovered which would prevent a well installation, the EPA TOCOR or DEQ personnel will determine an alternate location;
- There will no requirement for significant vegetation clearing. It may be necessary to manually clear tall grass, brush or limbs;
- The contractor will be responsible for determining the necessity of and performing utility clearances prior to site activities;
- A geophysical survey of borehole locations and monitoring well locations will be conducted;
- Analytical results will not be verified and validated by an external 3<sup>rd</sup> party data validator;

**IX. Scope**

**Task 01: Project Management**

The contractor shall prepare and solicit bids from sub-contractors and vendors, identify and make arrangements for project staff as required, and perform other general project

**Performance Work Statement**  
**Sampling and Analysis North May Dry Cleaners, Oklahoma City, OK**

Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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management duties under this task. This task is *not* intended to include tasks that would be associated with the general cost of doing business.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor must identify and utilize personnel, subcontractors, and vendors with the requisite training, ability, and knowledge to perform the other tasks within this task order. This performance shall be tailored to the needs of and be consistent with the needs of the Region 6 RCRA program and REPA V contract. This support shall also meet or exceed professional industry standards.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 1 will be customer input regarding the performance of staff, subcontractors and vendors.

**Task 02: Preparation of Combined Quality Assurance Project Plan (QAPP) and Field Sampling and Analysis Plan and Health and Safety Plan**

The contractor shall prepare a site-specific combined Quality Assurance Project Plan (QAPP) and Field Sampling and Analysis Plan following the Uniform Federal Policy (UFP) for implementing Environmental Quality Systems for this project. The UFP-QAPP will address all tasks in this Task Order. The contractor shall prepare the UFP-QAPP to present the overall project description, project organization, responsibilities, and objectives associated with the sampling and analysis to be conducted. The UFP-QAPP shall comply with all quality assurance requirements, and one scoping meeting shall be held as part of plan preparation. The contractor shall be prepared to make one revision to the UFP-QAPP as necessary. The UFP-QAPP shall include a clear description of data verification and validation plans and procedures. The contractor will not be required to conduct independent validation of laboratory analytical results. There are two versions of the UFP QAPP, the March 2005 version and the March 2012 optimized version, either version may be used based on contractor preference.

The contractor shall also prepare a Health and Safety Plan (HASP) regarding the work to be performed, taking into account the type of samples to be collected and the nature of the working conditions. The HASP shall address all applicable regulatory requirements; discuss personnel responsibilities, protective equipment, health and safety procedures and protocols, decontamination procedures, personnel training, and type and extent of medical surveillance. The HASP shall identify potential problems or hazards (known and unknown) that may be encountered and how these are to be addressed.

The draft UFP-QAPP shall be submitted to the TOCOR electronically at least 21 calendar days prior to beginning field activities. The TOCOR will review the draft QAPP and either approves the QAPP as is or provide comments on the draft QAPP. The final QAPP with signatures and the HASP shall be submitted to the TOCOR in electronic and hard copy format at least 7 calendar days prior to beginning field activities.

**COMPLEXITY LEVEL:** Moderately Complex

**Performance Work Statement  
Sampling and Analysis North May Dry Cleaners, Oklahoma City, OK**

Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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**PERFORMANCE STANDARD:** The contractor shall develop a UFP-QAPP to meet the goals and objectives of this Task Order. The plan must be developed using data quality objectives, the systematic planning process, and related processes presented in Agency quality assurance guidance and policy. The UFP-QAPP must undergo reviews and approval by EPA. The plan must contain all information detailed in the UFP-QAPP manual under the four basic element groups: Project Management Objectives, Measurement/Data Acquisition, Assessment/Oversight, and Data Review. The graded approach may be used to address elements as specified in the UFP-QAPP manual. (The graded approach is the process of establishing the project requirements and level of effort according to the intended use of the results and the degree of confidence needed in the quality of results). The worksheets specified in the UFP-QAPP manual, must be provided with the required information. The UFP-QAPP must be complete, technically accurate, and meet the requirements of the UFP-QAPP manual.

**ACCEPTABLE LEVEL OF QUALITY:** The measures of quality for Task 2 are EPA quality assurance policy, procedures, and specifications for quality assurance project plans. The acceptable level of quality for the UFP-QAPP is consistency with EPA quality assurance policy, procedures, and specifications.

**Task 03: Passive Soil Gas Sampling**

Collect 18 passive soil gas samples near the retail/residential areas hydrogeologically downgradient of the facility. The approximate location for the soil gas samples will be provided after the groundwater sampling results are reviewed, during the second scoping meeting;

- Collect one field duplicate;
- The passive soil gas samples will be analyzed for chlorinated VOCs (PCE, TCE, DCE and VC) by the vendor, using EPA method 8260c;
- Samples will be collected by drilling a one-half inch diameter boring (using a hand drill) to a depth of 30 inches below ground surface and placing a passive soil gas sampling device in the boring to a depth between 10 and 12 inches below the ground surface;
- The opening for the soil boring is then plugged (with foil) and the passive soil gas sampling device is left in the soil boring for a period of at least seven days;
- The passive soil gas sampling device will be recovered from the soil boring by the contractor. The contractor shall provide the labels, sampling locations ID designations, shipping containers, chain of custody forms, shipping ID number information and the vendor address for the VOC analysis; the contractor will fill the soil gas sample locations;
- The vendor analytical report will be included as an attachment to trip report;
- No summary tables will be required.

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor must provide the field sampling and analysis services according to the schedule provided and must be conducted according

**Performance Work Statement  
Sampling and Analysis North May Dry Cleaners, Oklahoma City, OK**

Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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to standard government and industry practices for sampling and analysis following the field and laboratory specifications and criteria contained in the UFP-QAPP. Analytical data must meet the quality criteria specified in the UFP-QAPP.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 3 will be successful completion of sampling. Deliverables should be of sufficient quality to document the type and location of all samples taken in the field.

**Task 04: Groundwater Monitor Well Installation**

- Install up to six (6) groundwater monitoring wells to a maximum 35-foot depth using 5 foot screens installed from the bottom of the well;
- Wells shall be constructed using 2 inch PVC casing and a number 10 slot screen;
- Wells shall have flush mount completions;
- Each well shall be developed prior to sampling;
- Monitoring well completion diagrams, boring logs, and well development records should be provided in Trip Report;
- Drillers shall be licensed in the State of Oklahoma;
- Auger drilling is the preferred installation method based on previous well completion experience at the facility; however, drillers shall provide input as to the most suitable drilling method;
- Augers shall be steam cleaned or otherwise decontaminated between each borehole;
- Each borehole is to be logged for lithology using the Unified Soil Classification (ASTM D 2488);
- A Professional Geoscientist (PG) should oversee the well installations and complete the monitoring well completion diagrams and boring logs;
- Each well should be surveyed by a Professional Surveyor for top of casing and ground surface elevation and location;
- The contractor will be responsible for providing containers to store investigation derived waste; (IDW), moving IDW to chosen staging areas, proper labeling of IDW containers, characterization of IDW, and off-site disposal of IDW;
- IDW will consist of soil cuttings, development water, sampling water, decon water; assume all hazardous for costing purposes;
- ODEQ will obtain written access for temporary storage of IDW on private property near where the monitoring wells are installed until disposal takes place;
- IDW wastes must be shipped within 60 days after well installation activities are completed.
- The monitoring wells may be installed in paved (concrete or asphalt) parking areas and grassy areas. Contractor will be required to document before and after condition of the areas where the wells are installed. In paved areas the contractor will need to carefully remove the existing pavement and complete the area around the cast iron cap with concrete that will tie into the existing pavement.

**COMPLEXITY LEVEL:** Moderately Complex

**Performance Work Statement  
Sampling and Analysis North May Dry Cleaners, Oklahoma City, OK**

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**PERFORMANCE STANDARD:** The groundwater monitoring wells and soil borings should be installed and the wells developed according to standard government and industry practices for the installation of environmental groundwater monitoring wells and soil borings and development of groundwater monitoring wells following SOPs and criteria contained in the UFP-QAPP.

**ACCEPTABLE LEVEL OF QUALITY:** A properly designed, installed, and developed groundwater monitoring well provides groundwater samples that exhibit the physical and chemical properties of that portion of the aquifer screened by the well. Therefore, the measurement for Task 4 will be successful installation of groundwater monitoring wells that provide representative groundwater samples.

**Task 05: Groundwater Sampling**

- Collect one groundwater sample from each newly installed groundwater monitoring well, using low-flow groundwater sampling procedures. The approximate location for the groundwater monitoring wells are dependent on the passive soil-gas sampling results;
- The groundwater samples will be analyzed for VOCs using EPA method 8260c;
- The groundwater monitoring wells should be gauged for depth to groundwater and total depth to the nearest one-hundredth (0.01) of a foot. The gauging data may be used for determining groundwater gradient and flow direction;
- Collect field duplicates (10%), MS/MSD (as lab required), equipment blanks (1 per day), and field blanks (1 per day).

**COMPLEXITY LEVEL:** Moderately Complex

**PERFORMANCE STANDARD:** The contractor must provide the field sampling and analysis services according to the schedule provided and must be conducted according to standard government and industry practices for sampling and analysis following the field and laboratory specifications and criteria contained in the UFP-QAPP. Analytical data must meet the quality criteria specified in the UFP-QAPP.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 5 will be successful completion of sampling. Deliverables should be of sufficient quality to document the type and location of all samples taken in the field.

**Task 06: Analytical Data Results**

The contractor shall use a private laboratory for groundwater analysis and passive soil gas samples (a vendor), routine turnaround time should be requested. The contractor should forward the analytical data packages to the TOCOR as soon as it is received. This includes the groundwater and passive soil gas sample results. All groundwater samples will be analyzed using Method 8260c reporting the complete analyte list. This information will be part of the laboratory electronic data deliverable, and Trip Report appendices.

In addition, the contractor shall compile a "Summary Table" in the Trip Report that highlights contaminant hits above screening levels for chlorinated solvents (TCE and daughter products). The table shall include a column of appropriate Residential EPA Regional Screening Levels for groundwater <http://www2.epa.gov/risk/risk-based->

**Performance Work Statement  
Sampling and Analysis North May Dry Cleaners, Oklahoma City, OK**

Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

screening-table-generic-tables and EPA groundwater to indoor air screening levels <http://www2.epa.gov/vaporintrusion>. The summary table should include: sample name, VISL, tap water RSL, MCL, RL, MDL, units, etc.

Analytical tables shall be submitted electronically within 14 days of receiving the analytical reports from the laboratory.

The contractor will perform a completeness check on the analytical data package which includes the following:

- Data package includes all the samples submitted for analysis;
- Data package should include all QA/QC results, lab's narrative regarding dilutions, corrective actions and etc.;
- Requested analytical methods were performed;
- Report includes analysis dates, sampling dates, laboratory data qualifiers, qualifier definitions, result units, reporting limits, and detection limits.

**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** Analytical data must meet the quality criteria specified in the UFP-QAPP and must meet project quality objectives. The laboratories shall perform the necessary QA/QC requirements according to EPA Method and Standard Method.

**ACCEPTABLE LEVEL OF QUALITY:** The measurement source for Task 6 will be data completeness (100%).

**Task 07: Trip Report**

The contractor shall prepare a trip report and submit a draft version to the TOCOR in electronic format within 60 calendar days of completion of field activities. The TOCOR will review the draft trip report and will either approve the report as is or provide comments on the draft report. The final trip report shall be submitted to the TOCOR in electronic and hard copy format within 14 calendar days of receipt of the TOCOR's approval of or comments on the draft report.

Based on the field work performed at each facility, the trip reports may contain the following, as applicable:

- Short description of the objectives and methodology of sampling, groundwater monitoring well installation, and well development;
- Discussion about any problems encountered during the field events and deviations from the sampling and analysis plan (UFP-QAPP);
- Short description of any utility clearances performed;
- Personnel participating in the field events and regulatory agency staff onsite during field events;
- Boring logs for groundwater monitoring wells (type written);
- Copy of well reports submitted to the State for groundwater monitoring wells and soil borings;

**Performance Work Statement  
Sampling and Analysis North May Dry Cleaners, Oklahoma City, OK**

Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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- Well construction diagrams for groundwater monitoring wells (type written);
- Professional survey results for groundwater monitoring wells;
- A table which includes information about each sample (sample id, sample location, sample date/time, analyses performed);
- Map(s) showing sample, and groundwater monitoring well locations;
- Table(s) of well development data;
- Tables (for each well sampled) of groundwater parameters and other information monitored during low-flow purging including: approximate depth to pump intake, time, depth to water, flow rate, pH, temperature, specific conductance, oxidation-reduction potential, dissolved oxygen, and turbidity;
- Tables of analytical results (same as prepared under Task 6);
- Information on investigation derived waste (approximate volume of waste and number of drums, staging area, disposal plans/information);
- Chain-of-custody documentation;
- Copy of field logbooks;
- Photographic log of the sampling and/or installation event; and
- A cd(s) containing the laboratory analytical reports.

**COMPLEXITY LEVEL:** Moderately complex

**PERFORMANCE STANDARD:** The Report must be well organized, legible, clear, and contain all data and documentation obtained during the project. Other than copies of field log books, chain-of-custody, and laboratory provided reports, the report and all attachments shall be type written, unless handwritten attachments are preapproved by the TOCOR.

**ACCEPTABLE LEVEL OF QUALITY:** The source of measurements for Task 7 is conventions for standard written English (spelling, punctuation, usage, etc.) and technical writing. The report must conform to standard conventions and be professionally written.

**X. Performance Measures and Quality Assurance**

The contractor shall be adequately prepared before going into the field including but not limited to: appropriate field staff with required training and knowledge, appropriate field equipment, and familiarity with site conditions and requirements of the QAPP. The contractor shall use detailed logbooks and photographs to support observations and activities in the field.

The contractor shall coordinate and integrate all activity needed to provide the required support (e.g., problem identification/resolution strategy, responses to inquiries, and/or technical, service, administrative issues, etc.) in a timely, complete and effective manner. The contractor shall use quality assurance monitoring tools to ensure technical support and deliverables meet contract and task order requirements.

Deliverables shall meet the schedule and cost presented in the task order. Written deliverables shall reflect a good command of the English language, be well-organized,



**Performance Work Statement  
Sampling and Analysis North May Dry Cleaners, Oklahoma City, OK**

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and free of grammatical errors, misspellings and incomplete sentences. As required, written deliverables shall also have high-quality professional graphics. Preparation and printing of materials shall be in accordance with GPO guidelines.

The contractor shall utilize staff with the appropriate level of education and work experience to meet the task order requirements. Specialized and/or expert staff must meet the minimum requirements as identified in the individual task orders. Contractor staff shall demonstrate a high level of professionalism.

**XI. Technical Direction**

The TOCOR is authorized to provide technical direction, which clarifies the PWS. Technical direction must be within the scope of the contract and the TO. Technical direction is instruction to the contractor that approves approaches, solutions, designs, or refinements; fills in details; completes the general description of work or documentation items; shifts emphasis among work areas or tasks; or provides similar guidance. It includes evaluation of contractor performance and comments on deliverables.

The TOCOR shall issue technical direction in writing or confirm in writing within five (5) calendar days after verbal issuance. The TOCOR shall forward copies of the technical direction to the Contracting Officer (CO) and RTOCOR.

The CO is the only person authorized to make changes to the TO or contract. Any changes to the TO scope, period of performance or deliverable due dates must be approved by the CO in writing.

**XII. Schedule of Deliverables**

The duplication of more than 5,000 copies of a single page or 25,000 or more total impressions is considered "printing" and, therefore, prohibited. For more information on restrictions relating to deliverables, the Contractor is referred to the EPA Publication Management Guide (EPA-175-K-92-011).

**SUMMARY OF DELIVERABLES AND DUE DATES**

<b><u>DELIVERABLES</u></b>	<b><u>TASK NO.</u></b>	<b><u>NO. OF COPIES*</u></b>	<b><u>DUE DATE*</u></b>
UFP-QAPP and HASP	Task 2	Draft QAPP – electronic	Submit draft UFP-QAPP 21 days prior to beginning field activities.
		Final QAPP and HSP – electronic and one (1) hard copy	Submit final UFP-QAPP and HASP 7 days prior to beginning field activities.



**Performance Work Statement**  
**Sampling and Analysis North May Dry Cleaners, Oklahoma City, OK**

Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

Field Activities Sampling, groundwater, monitoring well installation Passive soil gas sampling	Tasks 3, 4 and 5	N/A	Installation of monitoring wells is tentatively scheduled to begin October 16, 2017. Field activities will be scheduled later.
Waste Disposal	Tasks 3 and 4	N/A	All wastes shall be disposed of within 60 days of the conclusion of groundwater sampling and groundwater monitoring well installation.
Analytical data results	Task 6	Tables of compiled analytical results- electronic	Submit tables of compiled analytical results within 14 days of receipt of analytical reports from the lab. Submit final tables of compiled analytical results with draft and final Trip Report. <b>Submit analytical data package (groundwater) or vendor results (for the soil-gas results) as soon as it is received from the lab.</b>
Trip Report	Task 7	Draft – electronic Final – electronic and one (1) hard copy	Submit draft Trip Report within 60 days of completion of field activities.  Submit final Trip Report within 14 days of receiving TOCOR's approval/comments on draft Trip Report.

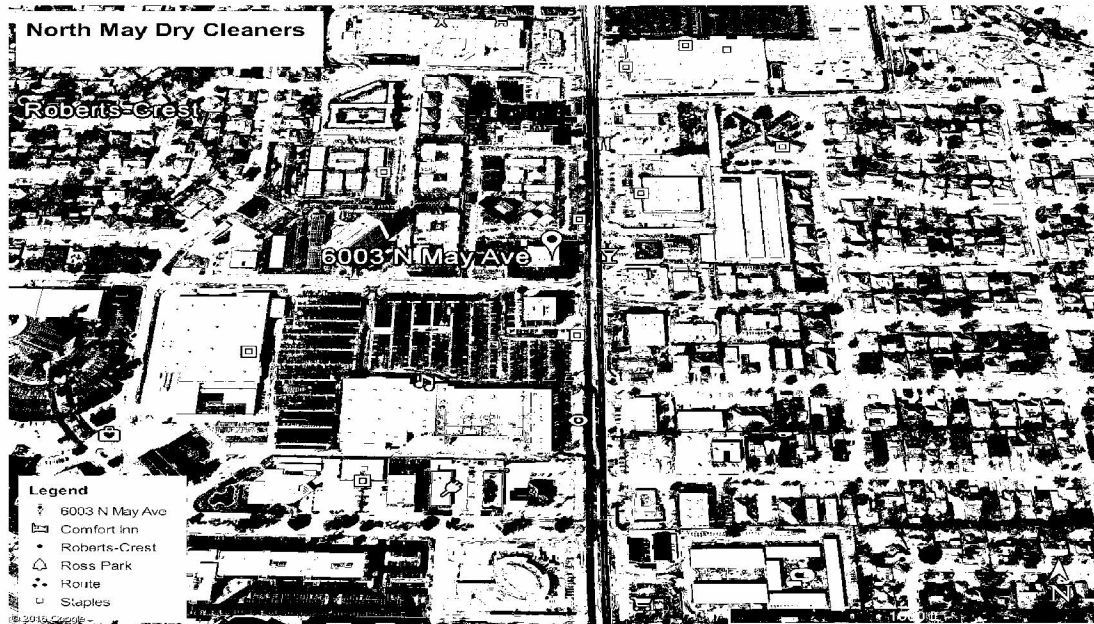
\*Notes:

Final electronic copies should be in word and pdf format.

All days are calendar days unless otherwise specified. (All hard copy reports should be double sided.)

**Performance Work Statement**  
**Sampling and Analysis North May Dry Cleaners, Oklahoma City, OK**  
Region 6, Dallas, 1445 Ross Ave, Ste. 1200, Dallas, TX, 75202

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**Figure 1**  
**North May Dry Cleaners Facility**  
**Oklahoma City, OK**



**Figure 2**  
**North May Dry Cleaners Facility**  
**Proposed Monitoring Well Locations**  
**subject to change based upon site**  
**conditions 8-25-2017**

EP-W-12-031 TASK ORDER 6640 MOD SUMMARY

Mod #	Reason For Modification	Status	Award Date	Obligation	Total Amount
P00003	Other Administrative Action+B5:H6	Released	11/27/2017	(\$86,277.88)	(\$86,277.88)
BASE		Released	8/4/2017	\$89,781.39	\$89,781.39
002	Change Order	Released	9/13/2017	\$0.00	\$0.00
001	Supplemental Agreement for work within scope	Released	8/30/2017	\$0.00	\$0.00